

09/450,999

FILE 'REGISTRY' ENTERED AT 17:37:04 ON 27 NOV 2000

=>

Uploading 450999.str

L9 STRUCTURE UPLOADED

=> s l9 sss full

FULL SEARCH INITIATED 17:48:08 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 378141 TO ITERATE

| | | |
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| 32.0% PROCESSED | 121164 ITERATIONS | 12 ANSWERS |
| 60.1% PROCESSED | 227393 ITERATIONS | 54 ANSWERS |
| 82.3% PROCESSED | 311374 ITERATIONS | 59 ANSWERS |
| 98.6% PROCESSED | 372823 ITERATIONS | 69 ANSWERS |
| 100.0% PROCESSED | 378141 ITERATIONS | 70 ANSWERS |

SEARCH TIME: 00.01.22

L11 70 SEA SSS FUL L9

=> d l9 sim

L9 HAS NO ANSWERS

L9 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l11 and up<19981130

14531335 UP<19981130
(UP<981130)

L12 17 L11 AND UP<19981130

=> s pyrid?/cns and l11

1098272 PYRID?/CNS
L13 38 PYRID?/CNS AND L11

=> s l13 not l12

L14 38 L13 NOT L12

=> d l12 1-17 ide cbib pi

L12 ANSWER 1 OF 17 REGISTRY .COPYRIGHT 2000 ACS

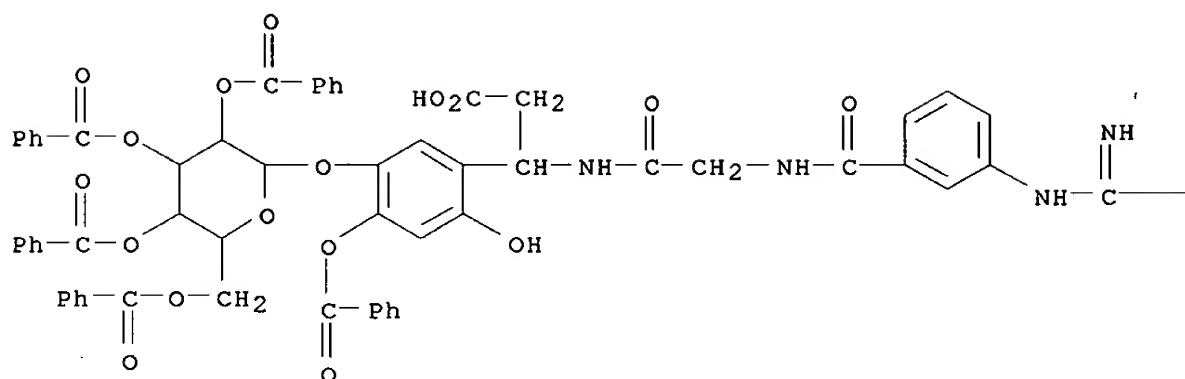
RN 188811-83-8 REGISTRY

CN .beta.-Alanine, N-[3-[(aminoiminomethyl)amino]benzoyl]glycyl-3-[4-

(benzoyloxy)-2-hydroxy-5-[(2,3,4,6-tetra-O-benzoylhexopyranosyl)oxy]phenyl

]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C60 H51 N5 O17
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

PAGE 1-A



PAGE 1-B

—NH₂

1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 126:264011 Preparation of meta-guanidine, urea, thiourea or azacyclic amino benzoic acid derivatives as integrin antagonists.
 Ruminski, Peter Gerrard; Clare, Michael; Collins, Paul Waddell; Desai,

Bipinchandra Nanubhai; Lindmark, Richard John; Rico, Joseph Gerace; Rogers, Thomas Edward; Russell, Mark Andrew; et al. (G.D. Searle & Co., USA; Ruminski, Peter Gerrard; Clare, Michael; Collins, Paul Waddell; Desai, Bipinchandra Nanubhai; Lindmark, Richard, John). PCT Int. Appl.

WO

9708145 A1 19970306, 930 pp. DESIGNATED STATES: W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE. (English). CODEN: PIXXD2. APPLICATION: WO 1996-US13500 19960827.

PRIORITY: US 1995-3277 19950830.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| | EP 850221 | A1 | 19980701 | EP 1996-932142 | 19960827 |
| | R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, | | | |
| FI | CN 1201454 | A | 19981209 | CN 1996-197911 | 19960827 |
| | BR 9610422 | A | 19990713 | BR 1996-10422 | 19960827 |
| | JP 11510814 | T2 | 19990921 | JP 1996-510397 | 19960827 |
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L12 ANSWER 2 OF 17 REGISTRY COPYRIGHT 2000 ACS

RN 188811-82-7 REGISTRY

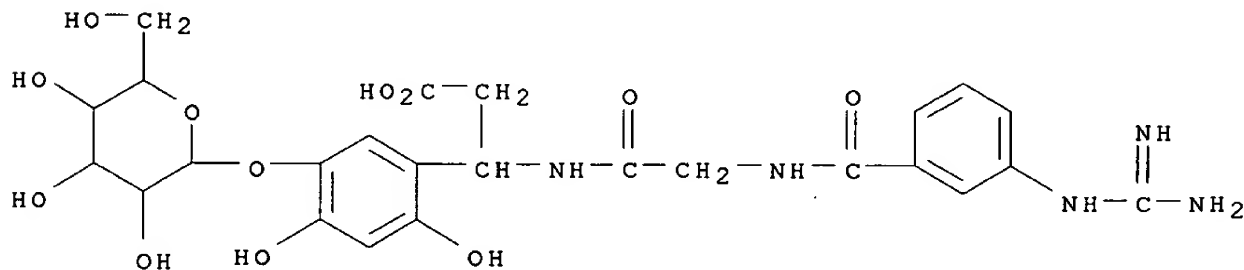
CN .beta.-Alanine, N-[3-[(aminoiminomethyl)amino]benzoyl]glycyl-3-[5-(hexopyranosyloxy)-2,4-dihydroxyphenyl]- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C25 H31 N5 O12

SR CA

LC STN Files: CA, CAPLUS, USPATFULL



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 126:264011 Preparation of meta-guanidine, urea, thiourea or azacyclic amino benzoic acid derivatives as integrin antagonists. Ruminski, Peter Gerrard; Clare, Michael; Collins, Paul Waddell; Desai, Bipinchandra Nanubhai; Lindmark, Richard John; Rico, Joseph Gerace; Rogers, Thomas Edward; Russell, Mark Andrew; et al. (G.D. Searle & Co., USA; Ruminski, Peter Gerrard; Clare, Michael; Collins, Paul Waddell; Desai, Bipinchandra Nanubhai; Lindmark, Richard, John). PCT Int. Appl.

WO

9708145 A1 19970306, 930 pp. DESIGNATED STATES: W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE. (English). CODEN: PIXXD2. APPLICATION: WO 1996-US13500 19960827.

PRIORITY: US 1995-3277 19950830.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| PI WO 9708145 | A1 | 19970306 | WO 1996-US13500 | 19960827 |
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| R: | | | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, | |
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| JP 11510814 | T2 | 19990921 | JP 1996-510397 | 19960827 |
| NO 9800817 | A | 19980424 | NO 1998-817 | 19980226 |

L12 ANSWER 3 OF 17 REGISTRY COPYRIGHT 2000 ACS

RN 188811-76-9 REGISTRY

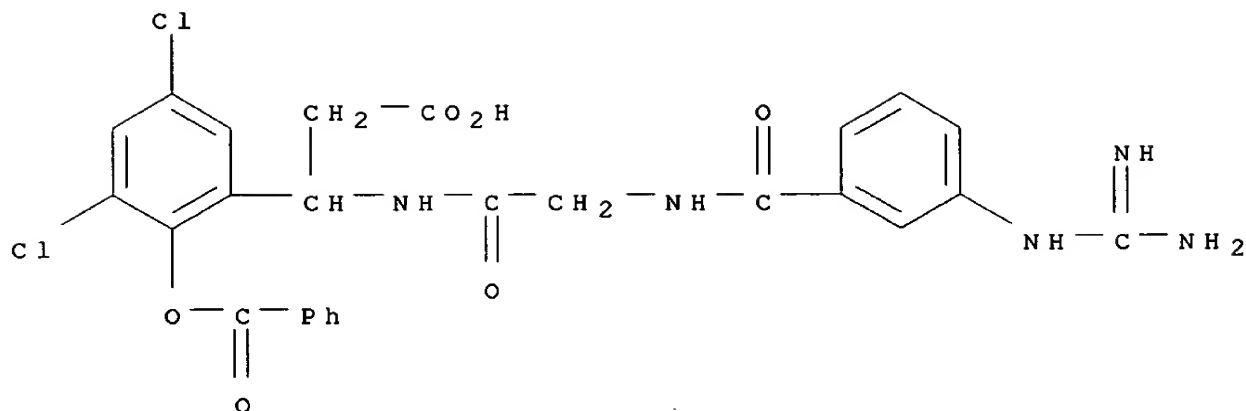
CN .beta.-Alanine, N-[3-[(aminoiminomethyl)amino]benzoyl]glycyl-3-[2-(benzoyloxy)-3,5-dichlorophenyl]- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C26 H23 Cl2 N5 O6

SR CA

LC STN Files: CA, CAPLUS, USPATFULL



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 126:264011 Preparation of meta-guanidine, urea, thiourea or azacyclic amino benzoic acid derivatives as integrin antagonists. Ruminski, Peter Gerrard; Clare, Michael; Collins, Paul Waddell; Desai, Bipinchandra Nanubhai; Lindmark, Richard John; Rico, Joseph Gerace; Rogers, Thomas Edward; Russell, Mark Andrew; et al. (G.D. Searle & Co., USA; Ruminski, Peter Gerrard; Clare, Michael; Collins, Paul Waddell; Desai, Bipinchandra Nanubhai; Lindmark, Richard, John). PCT Int. Appl.

WO

9708145 A1 19970306, 930 pp. DESIGNATED STATES: W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE. (English). CODEN: PIXXD2. APPLICATION: WO 1996-US13500 19960827. PRIORITY: US 1995-3277 19950830.

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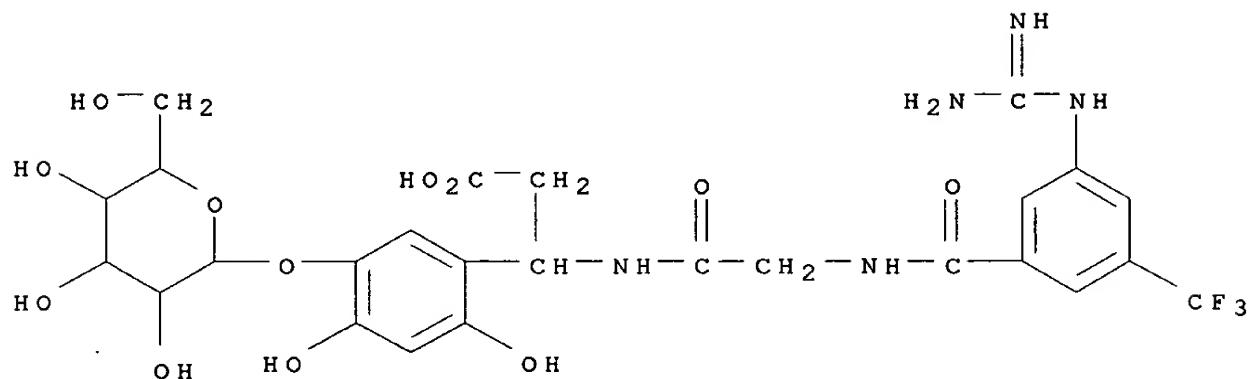
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| AU 702487 | B2 19990225 |
| EP 850221 | A1 19980701 EP 1996-932142 19960827 |
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| CN 1201454 | A 19981209 | CN 1996-197911 | 19960827 |
| BR 9610422 | A 19990713 | BR 1996-10422 | 19960827 |
| JP 11510814 | T2 19990921 | JP 1996-510397 | 19960827 |
| NO 9800817 | A 19980424 | NO 1998-817 | 19980226 |

L12 ANSWER 4 OF 17 REGISTRY COPYRIGHT 2000 ACS
 RN 188811-50-9 REGISTRY
 CN .beta.-Alanine, N-[3-[(aminoiminomethyl)amino]-5-(trifluoromethyl)benzoyl]glycyl-3-[5-(hexopyranosyloxy)-2,4-dihydroxyphenyl]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C26 H30 F3 N5 O12
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 126:264011 Preparation of meta-guanidine, urea, thiourea or azacyclic amino benzoic acid derivatives as integrin antagonists. Ruminski, Peter Gerrard; Clare, Michael; Collins, Paul Waddell; Desai, Bipinchandra Nanubhai; Lindmark, Richard John; Rico, Joseph Gerace; Rogers, Thomas Edward; Russell, Mark Andrew; et al. (G.D. Searle & Co., USA; Ruminski, Peter Gerrard; Clare, Michael; Collins, Paul Waddell; Desai, Bipinchandra Nanubhai; Lindmark, Richard, John). PCT Int. Appl.

WO

9708145 A1 19970306, 930 pp. DESIGNATED STATES: W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE. (English). CODEN: PIXXD2. APPLICATION: WO 1996-US13500 19960827. PRIORITY: US 1995-3277 19950830.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| AU 702487 | B2 | 19990225 | | |
| EP 850221 | A1 | 19980701 | EP 1996-932142 | 19960827 |

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| JP 11510814 | T2 | 19990921 | JP 1996-510397 | 19960827 |
| NO 9800817 | A | 19980424 | NO 1998-817 | 19980226 |

L12 ANSWER 5 OF 17 REGISTRY COPYRIGHT 2000 ACS

RN 183252-60-0 REGISTRY

CN Benzenepropanoic acid, .beta.-[(ethoxycarbonyl)amino]-.alpha.-hydroxy-4-
 [[[4-(1-methylethylidene)-2-cyclohexen-1-yl]carbonyl]oxy]-,
 (1R,2S,4R,4aS,9S,10aS)-1,2,3,4,9,10-hexahydro-1,9,12,12-tetramethyl-4a,10a-
 epoxy-1,4-methanophenanthren-2-yl ester, (.alpha.R,.beta.S)- (9CI) (CA
 INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzenepropanoic acid, .beta.-[(ethoxycarbonyl)amino]-.alpha.-hydroxy-4-
 [[[4-(1-methylethylidene)-2-cyclohexen-1-yl]carbonyl]oxy]-,
 1,2,3,4,9,10-hexahydro-1,9,12,12-tetramethyl-4a,10a-epoxy-1,4-
 methanophenanthren-2-yl ester,
 [1R-[1.alpha.,2.beta.[.alpha.R*,.beta.S*(S*
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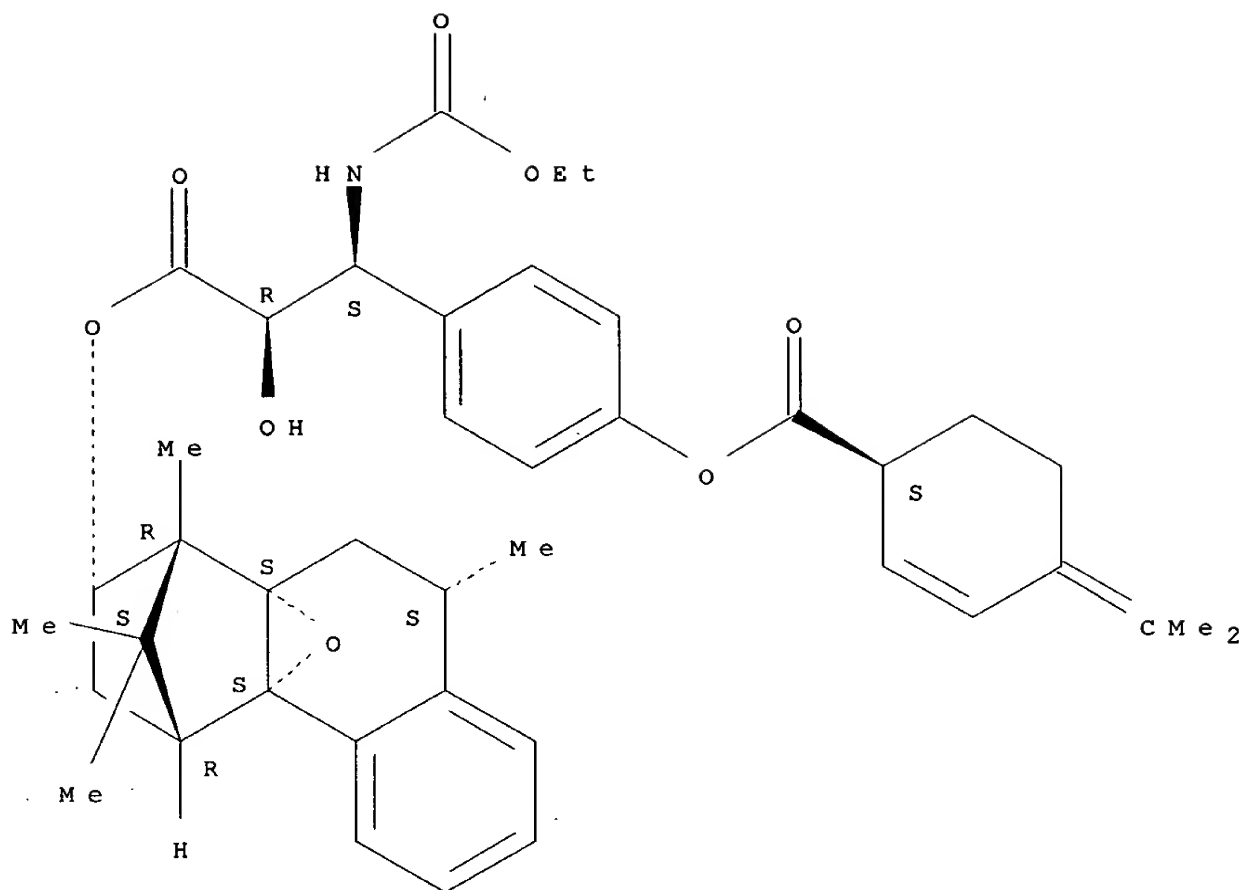
FS STEREOSEARCH

MF C41 H49 N O8

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

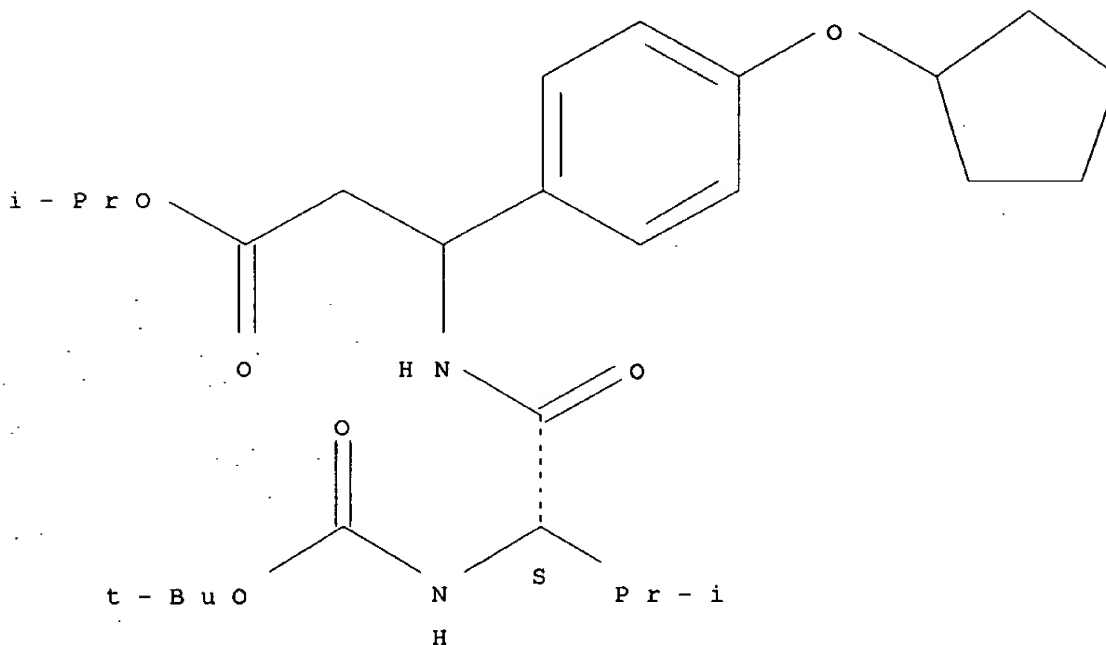
REFERENCE 1: 126:7972 Preparation of borneol ester and antineoplastic and epoxyborneol ester antitumor agents. Klar, Ulrich; Graf, Hermann; Neef, Guenter; Blechert, Siegfried (Schering A.-G., Germany). Ger. Offen. DE 19513040 A1 19961002, 14 pp. (German). CODEN: GWXXBX. APPLICATION: DE 1995-19513040 19950329.

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|------------------|----------|
| PI | DE 19513040 | A1 | 19961002 | DE 1995-19513040 | 19950329 |
| | WO 9632376 | A1 | 19961017 | WO 1996-EP1404 | 19960329 |
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| | JP 11503171 | T2 | 19990323 | JP 1996-530683 | 19960329 |
| | AT 180469 | E | 19990615 | AT 1996-909153 | 19960329 |

ES 2133953 T3 19990916 ES 1996-909153 19960329
US 5965609 A 19991012 US 1998-930009 19980313

L12 ANSWER 6 OF 17 REGISTRY COPYRIGHT 2000 ACS
RN 180263-19-8 REGISTRY
CN .beta.-Alanine, 3-[4-(cyclopentyloxy)phenyl]-N-[N-[(1,1-dimethylethoxy)carbonyl]-L-valyl]-, 1-methylethyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C27 H42 N2 O6
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 125:168644 Derivatives of beta-aminopropionic acid with a fungicidal activity. Camaggi, Giovanni; Filippini, Lucio; Gusmeroli, Marilena; Mormile, Silvia; Signorini, Ernesto; Garavaglia, Carlo (Isagro Ricerca S.r.l., Italy). Eur. Pat. Appl. EP 718280 A2 19960626, 77 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI,

LU,

NL, PT, SE. (English). CODEN: EPXXDW. APPLICATION: EP 1995-115777 19951006. PRIORITY: IT 1994-MI2156 19941021.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------|------|----------|-----------------|----------|
| EP 718280 | A2 | 19960626 | EP 1995-115777 | 19951006 |
| EP 718280 | A3 | 19961030 | | |
| EP 843967 | A1 | 19980527 | EP 1998-100374 | 19951006 |
| EP 843967 | B1 | 20000405 | | |
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| AT 191317 | E | 20000415 | AT 1998-100374 | 19951006 |

PI R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE
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| ES 2144885 | T3 | 20000616 | ES 1998-100374 | 19951006 |
| AU 9533147 | A1 | 19960502 | AU 1995-33147 | 19951010 |
| AU 707241 | B2 | 19990708 | | |
| JP 08245541 | A2 | 19960924 | JP 1995-299254 | 19951023 |
| US 5856311 | A | 19990105 | US 1995-553782 | 19951023 |

L12 ANSWER 7 OF 17 REGISTRY COPYRIGHT 2000 ACS

RN 170565-32-9 REGISTRY

CN Benzenepropanoic acid, .beta.-[[[4-[4-(aminoiminomethyl)phenyl]-4-methyl-2,5-dioxo-1-imidazolidinyl]acetyl]amino]-3-phenoxy- (9CI) (CA INDEX

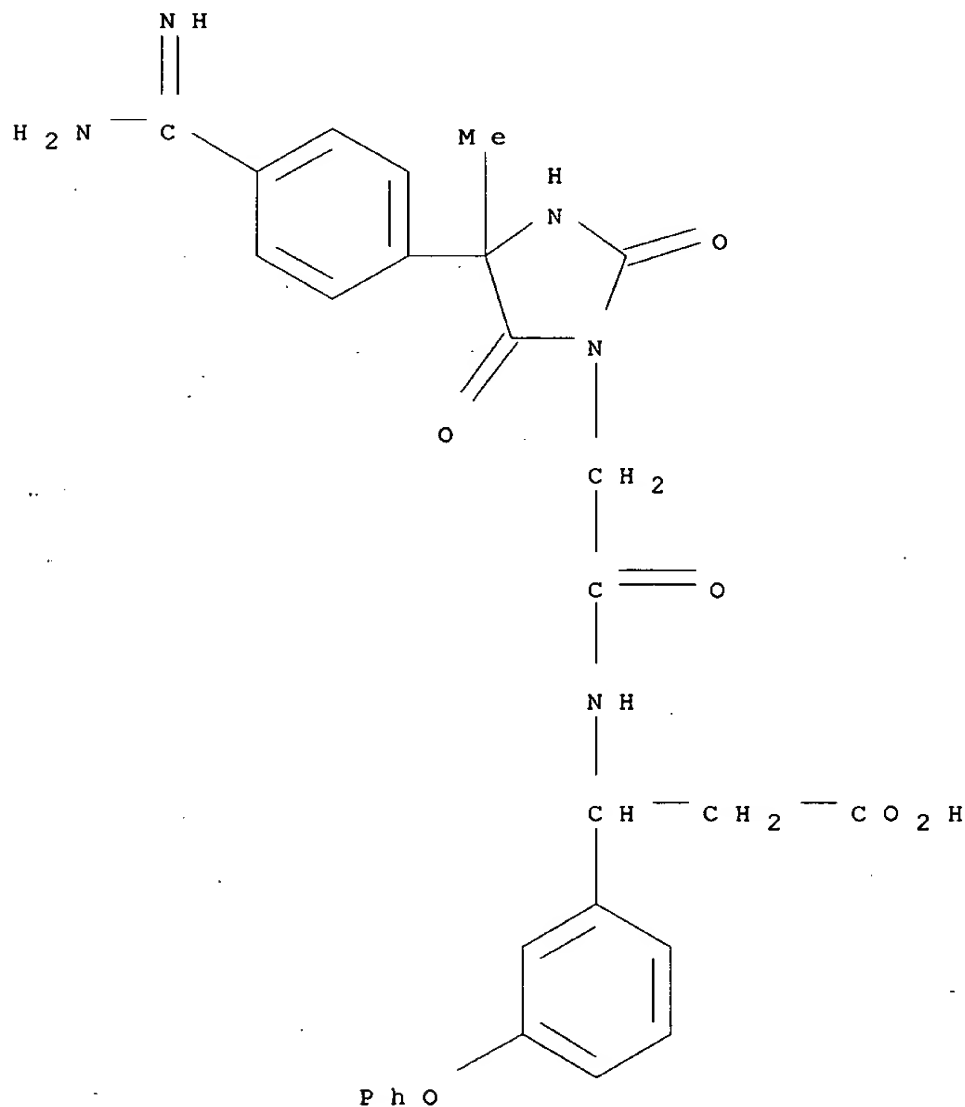
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FS 3D CONCORD

MF C28 H27 N5 O6

SR CA

LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:340969 Preparation of substituted 5-member-ring heterocyclic-compound blood platelet aggregation inhibitors and anticancer

agents. Zoller, Gerhard; Klingler, Otmar; Jablonka, Bernd; Just, Melitta;

Breipohl, Gerhard; Knolle, Jochen; Koenig, Wolfgang; Stilz, Hans-Ulrich (Cassella Aktiengesellschaft, Germany). PCT Int. Appl. WO 9514008 A1 19950526, 103 pp. DESIGNATED STATES: W: AU, CA, CN, CZ, FI, HU, JP, KR, PL, RU, SK, US; RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE. (German). CODEN: PIXXD2. APPLICATION: WO 1994-EP3491 19941024. PRIORITY: DE 1993-4338944 19931115; DE 1994-4427979 19940808.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| PI WO 9514008 | A1 | 19950526 | WO 1994-EP3491 | 19941024 |
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| DE 4427979 | A1 | 19960215 | DE 1994-4427979 | 19940808 |
| AU 9479397 | A1 | 19950606 | AU 1994-79397 | 19941024 |
| AU 693811 | B2 | 19980709 | | |
| EP 729460 | A1 | 19960904 | EP 1994-930215 | 19941024 |
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| FI 9602043 | A | 19960514 | FI 1996-2043 | 19960514 |
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L12 ANSWER 8 OF 17 REGISTRY COPYRIGHT 2000 ACS

RN 147525-56-2 REGISTRY

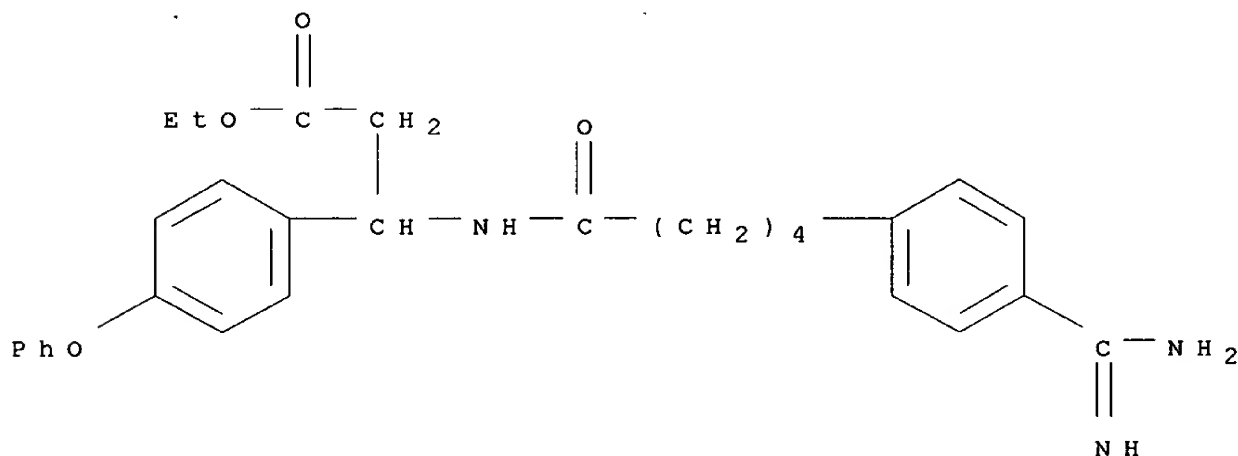
CN Benzenepropanoic acid, .beta.-[[5-[4-(aminoiminomethyl)phenyl]-1-oxopentyl]amino]-4-phenoxy-, ethyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C29 H33 N3 O4

SR CA

LC STN Files: CA, CAPLUS, USPATFULL



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 118:234488 Preparation of amidine-containing peptide mimetic compounds useful as platelet aggregation inhibitors. Garland, Robert Bruce; Miyano, Masateru; Zablocki, Jeffery Alan; Bovy, Philippe Roger; McMackins, Dudley Elgin; Rico, Joseph Gerace; Tjoeng, Foe Siong; Toth, Mihaly Vadkerti (Searle, G. D., and Co., USA; Monsanto Co.). Eur. Pat. Appl. EP 513810 A1 19921119, 66 pp. DESIGNATED STATES: R: PT. (English). CODEN: EPXXDW. APPLICATION: EP 1992-108214 19920515. PRIORITY: US 1991-702667 19910517; US 1991-792542 19911112.

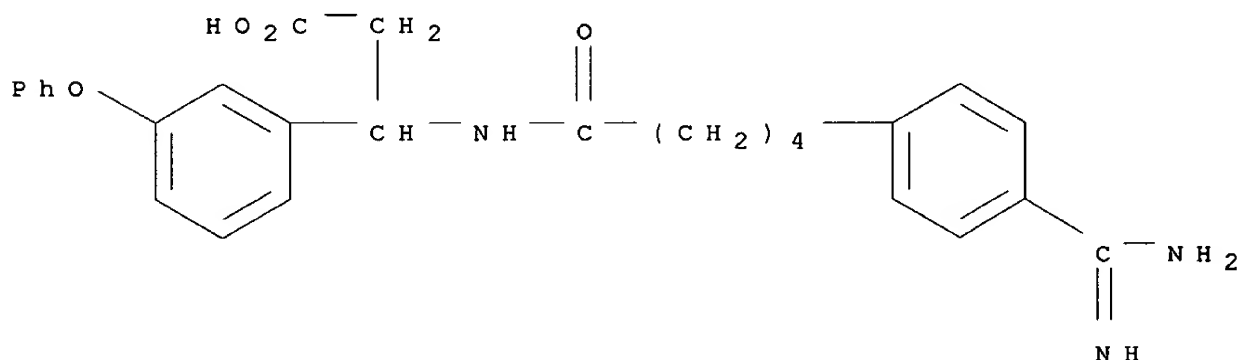
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| R: PT | | | | |
| US 5220050 | A | 19930615 | US 1991-792542 | 19911112 |
| WO 9220705 | A1 | 19921126 | WO 1992-US3573 | 19920506 |
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| AU 9220251 | A1 | 19921230 | AU 1992-20251 | 19920506 |

L12 ANSWER 9 OF 17 REGISTRY COPYRIGHT 2000 ACS
RN 147525-23-3 REGISTRY
CN Benzenepropanoic acid, .beta.-[[5-[4-(aminoiminomethyl)phenyl]-1-oxopentyl]amino]-3-phenoxy-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

MF C27 H29 N3 O4 . C2 H F3 O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

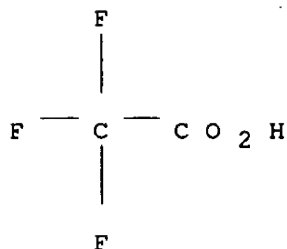
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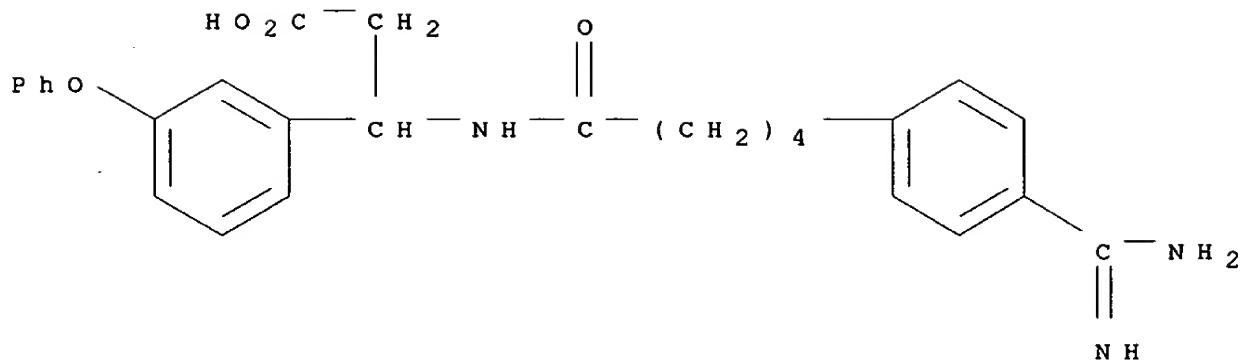


1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 118:234488 Preparation of amidine-containing peptide mimetic compounds useful as platelet aggregation inhibitors. Garland, Robert Bruce; Miyano, Masateru; Zablocki, Jeffery Alan; Bovy, Philippe Roger; McMackins, Dudley Elgin; Rico, Joseph Gerace; Tjoeng, Foe Siong; Toth, Mihaly Vadkert (Searle, G. D., and Co., USA; Monsanto Co.). Eur. Pat. Appl. EP 513810 A1 19921119, 66 pp. DESIGNATED STATES: R: PT. (English). CODEN: EPXXDW. APPLICATION: EP 1992-108214 19920515. PRIORITY: US 1991-702667 19910517; US 1991-792542 19911112.

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| AU 9220251 | A1 | 19921230 | AU 1992-20251 | 19920506 |

L12 ANSWER 10 OF 17 REGISTRY COPYRIGHT 2000 ACS
 RN 147525-22-2 REGISTRY
 CN Benzenepropanoic acid, .beta.-[[5-[4-(aminoiminomethyl)phenyl]-1-oxopentyl]amino]-3-phenoxy- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C27 H29 N3 O4
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 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL



1 REFERENCES IN FILE CA (1967 TO DATE)
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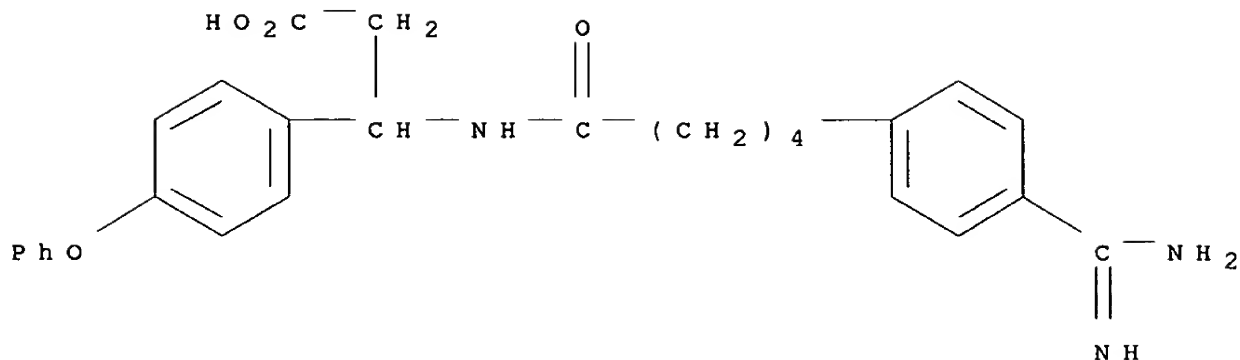
REFERENCE 1: 118:234488 Preparation of amidine-containing peptide mimetic compounds useful as platelet aggregation inhibitors. Garland, Robert Bruce; Miyano, Masateru; Zablocki, Jeffery Alan; Bovy, Philippe Roger; McMackins, Dudley Elgin; Rico, Joseph Gerace; Tjoeng, Foe Siong; Toth, Mihaly Vadkerti (Searle, G. D., and Co., USA; Monsanto Co.). Eur. Pat. Appl. EP 513810 A1 19921119, 66 pp. DESIGNATED STATES: R: PT. (English). CODEN: EPXXDW. APPLICATION: EP 1992-108214 19920515. PRIORITY: US 1991-702667 19910517; US 1991-792542 19911112.

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| AU 9220251 | A1 | 19921230 | AU 1992-20251 | 19920506 |

L12 ANSWER 11 OF 17 REGISTRY COPYRIGHT 2000 ACS
RN 147525-19-7 REGISTRY
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SR CA
LC STN Files: CA, CAPLUS, USPATFULL

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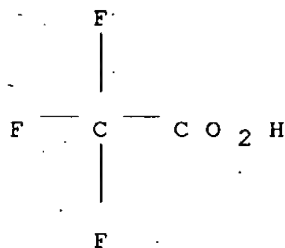
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CM 2

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CMF C2 H F3 O2



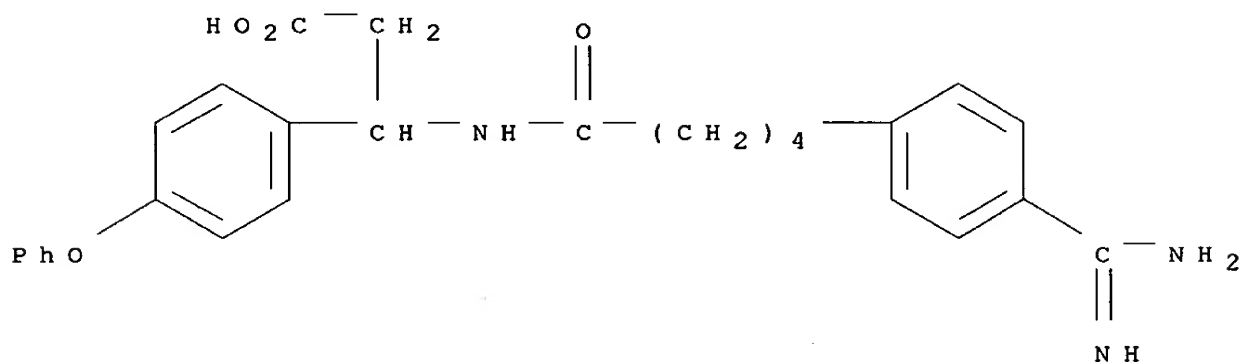
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1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 118:234488 Preparation of amidine-containing peptide mimetic compounds useful as platelet aggregation inhibitors. Garland, Robert Bruce; Miyano, Masateru; Zablocki, Jeffery Alan; Bovy, Philippe Roger; McMackins, Dudley Elgin; Rico, Joseph Gerace; Tjoeng, Foe Siong; Toth, Mihaly Vadkerti (Searle, G. D., and Co., USA; Monsanto Co.). Eur. Pat. Appl. EP 513810 A1 19921119, 66 pp. DESIGNATED STATES: R: PT. (English). CODEN: EPXXDW. APPLICATION: EP 1992-108214 19920515. PRIORITY: US 1991-702667 19910517; US 1991-792542 19911112.

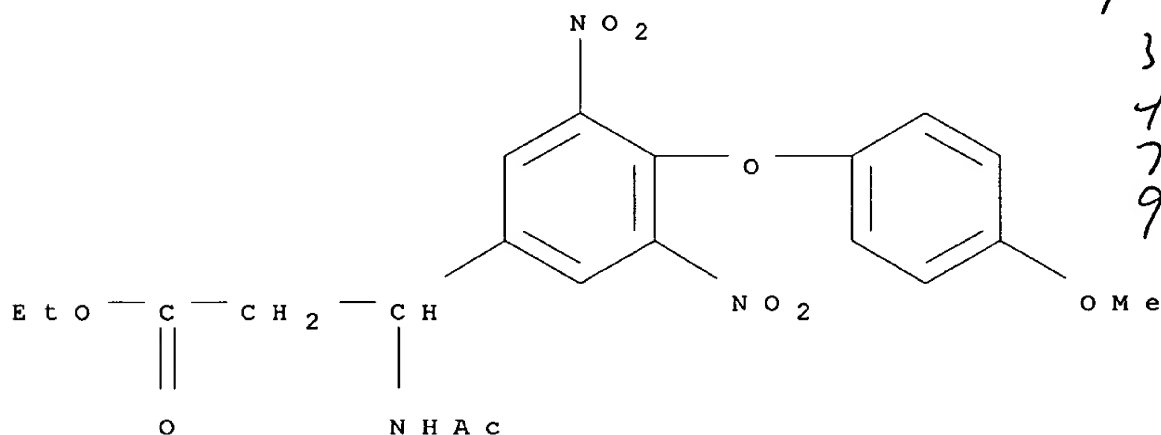
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RN 147525-18-6 REGISTRY
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 FS 3D CONCORD
 MF C27 H29 N3 O4
 CI COM
 SR CA



L12 ANSWER 13 OF 17 REGISTRY COPYRIGHT 2000 ACS
 RN 110375-70-7 REGISTRY
 CN Hydrocinnamic acid, .beta.-acetamido-4-(p-methoxyphenoxy)-3,5-dinitro-, ethyl ester (6CI) (CA INDEX NAME)
 FS 3D CONCORD
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 LC STN Files: BEILSTEIN*, CAOLD
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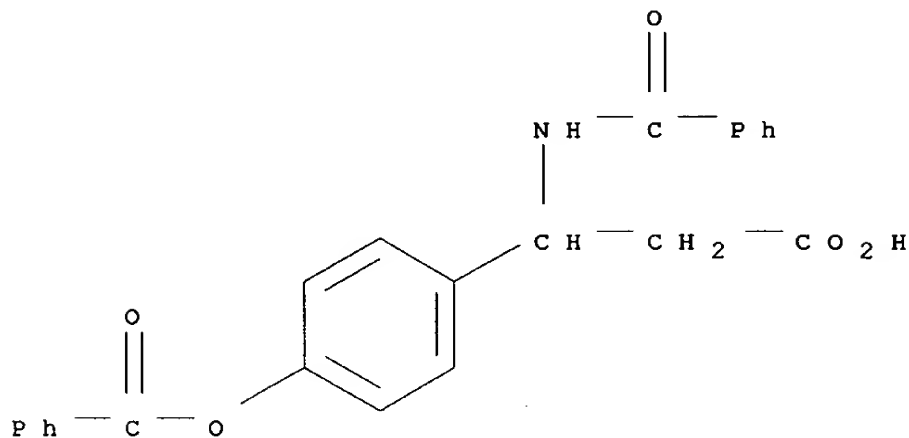
Suvorov



1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L12 ANSWER 14 OF 17 REGISTRY COPYRIGHT 2000 ACS
 RN 102594-51-4 REGISTRY
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NAME)
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 (*File contains numerically searchable property data)

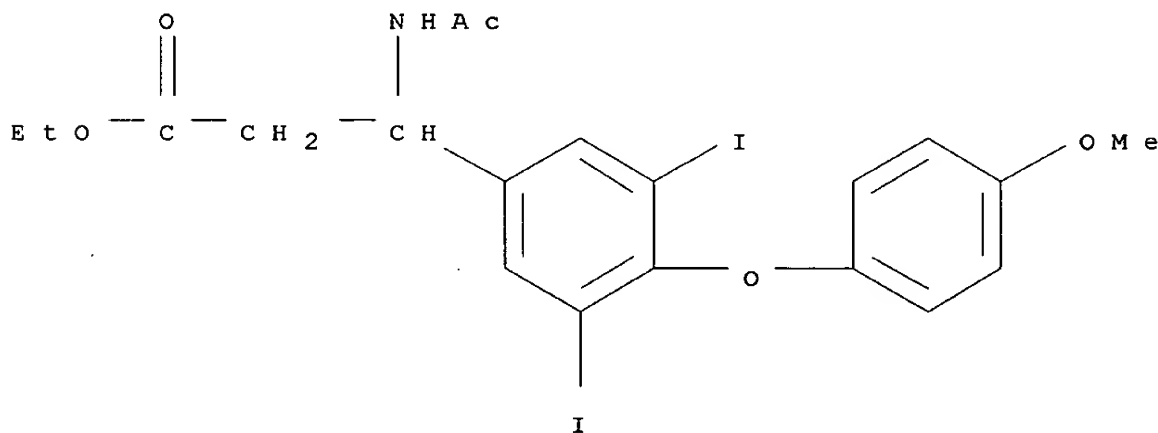


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2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L12 ~~ANSWER 15 OF 17~~ 'REGISTRY' COPYRIGHT 2000 ACS
 RN 102012-12-4 REGISTRY
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 FS 3D CONCORD
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 SR CAOLD
 LC STN Files: BEILSTEIN*, CAOLD
 (*File contains numerically searchable property data)

Sotom



1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L12 ANSWER 16 OF 17 'REGISTRY' COPYRIGHT 2000 ACS
 RN 84878-01-3 REGISTRY

OTHER CA INDEX NAMES:

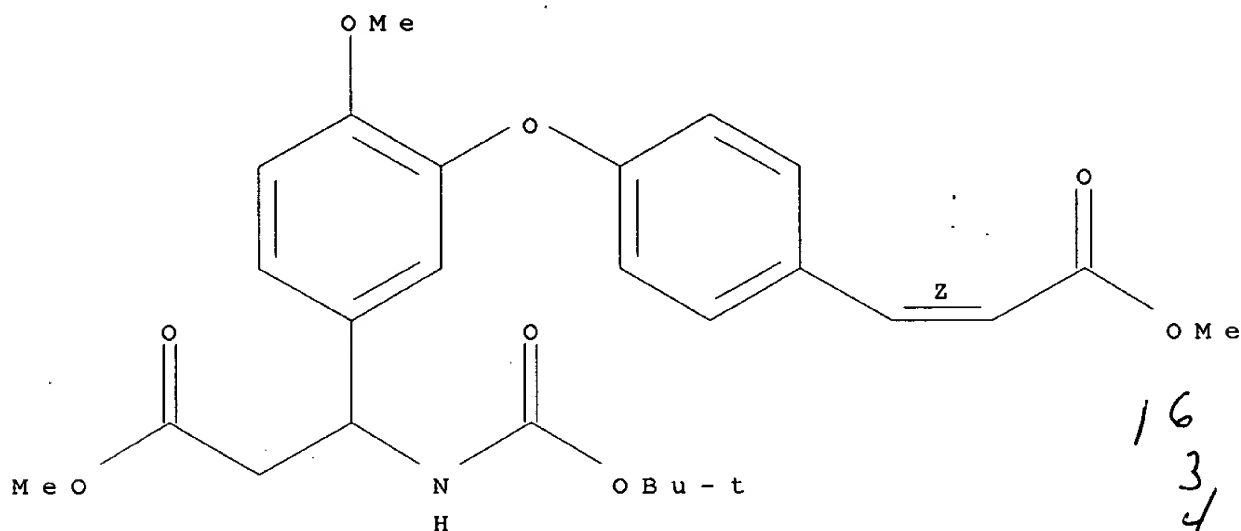
CN Benzenepropanoic acid, .beta.-[[(1,1-dimethylethoxy) carbonyl] amino]-4-methoxy-3-[4-(3-methoxy-3-oxo-1-propenyl)phenoxy]-, methyl ester, (Z)-(.+.-)-

FS STEREOSEARCH

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Double bond geometry as shown.



16
3
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7

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1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 99:38691 Total synthesis of (+-)-chaenorhine. Wasserman, Harry H.; Robinson, Ralph P.; Carter, Charles G. (Dep. Chem., Yale Univ., New Haven, CT, 06511, USA). J. Am. Chem. Soc., 105(6), 1697-8 (English) 1983. CODEN: JACSAT. ISSN: 0002-7863.

L12 ANSWER 17_OF 17 REGISTRY COPYRIGHT 2000 ACS

RN 2802-52-0 REGISTRY

CN Hydrocinnamic acid, .beta.-benzamido-3-fluoro-4-hydroxy-, benzoate
(ester)

(8CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

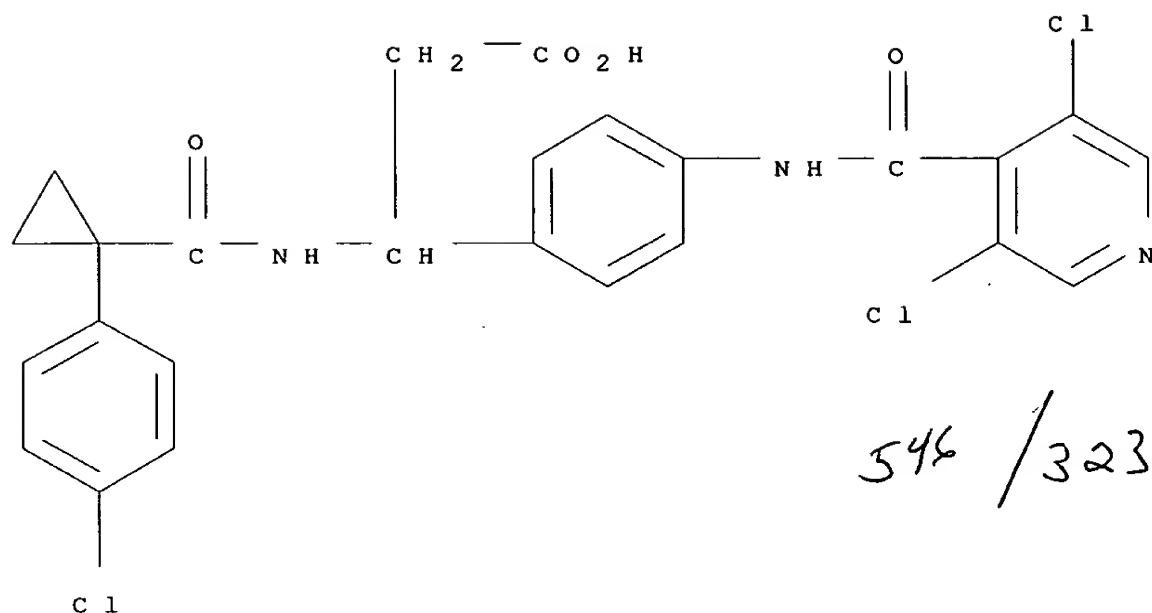
CN Hydrocinnamic acid, .beta.-benzamido-3-fluoro-4-hydroxy-, benzoate (6CI)

FS 3D CONCORD

MF C23 H18 F N O5

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                        (*File contains numerically searchable property data)
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Novelli



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warreallow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.
DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA,

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(English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129.
PRIORITY: GB 1998-26174 19981130.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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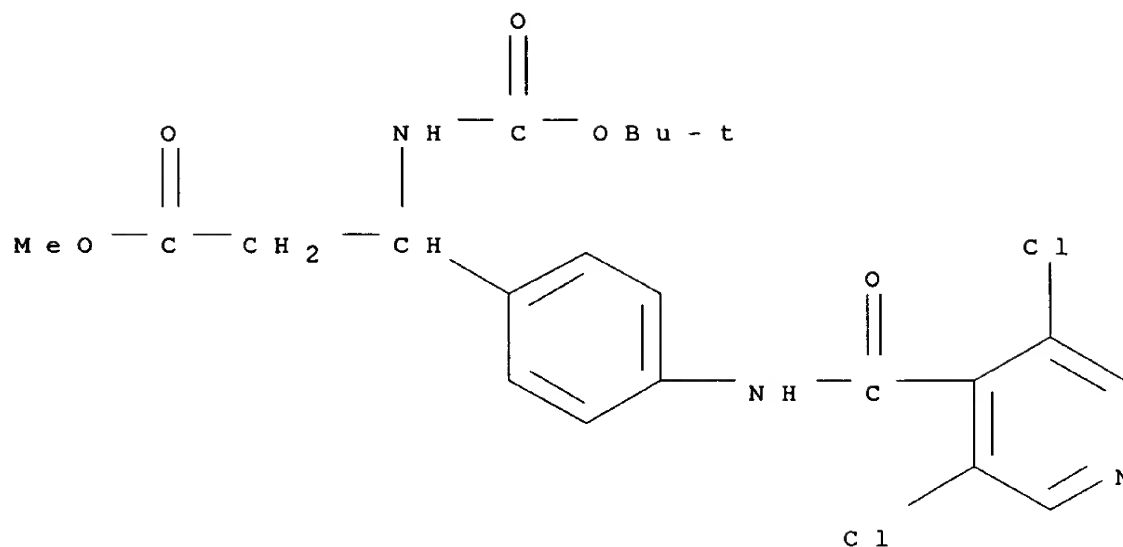
L14 ANSWER 2 OF 38 REGISTRY COPYRIGHT 2000 ACS

RN 273920-26-6 REGISTRY

CN **Benzenepropanoic acid, 4-[[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-.beta.-[[[(1,1-dimethylethoxy)carbonyl]amino]-, methyl ester (9CI)**
(CA INDEX NAME)

FS 3D CONCORD

MF C21 H23 Cl2 N3 O5
 SR CA
 LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.
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 (English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129.
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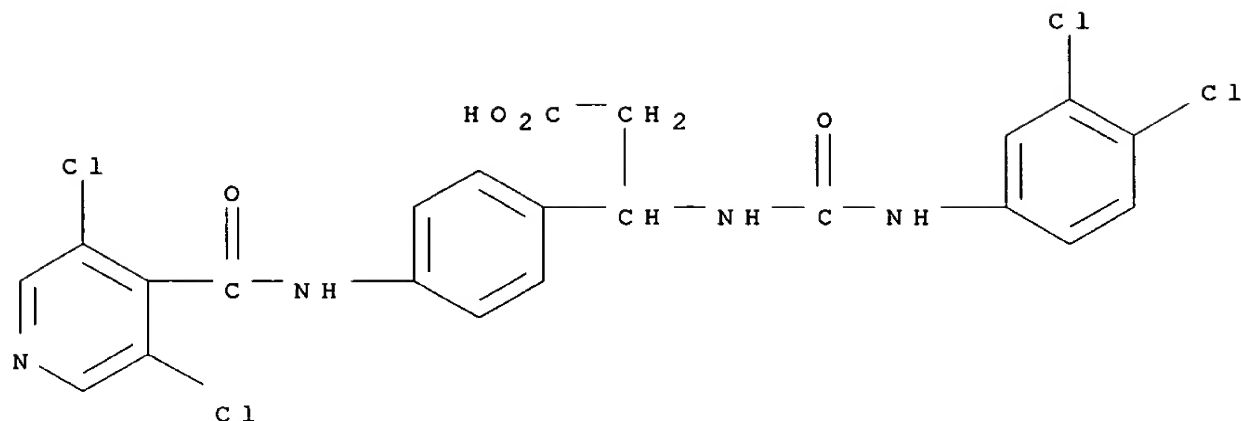
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L14 ANSWER 3 OF 38 REGISTRY COPYRIGHT 2000 ACS

RN 273920-20-0 REGISTRY

CN Benzenepropanoic acid, .beta.-[[(3,4-dichlorophenyl)amino]carbonyl]amino]-4-[[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX

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1 REFERENCES IN FILE CA (1967 TO DATE)
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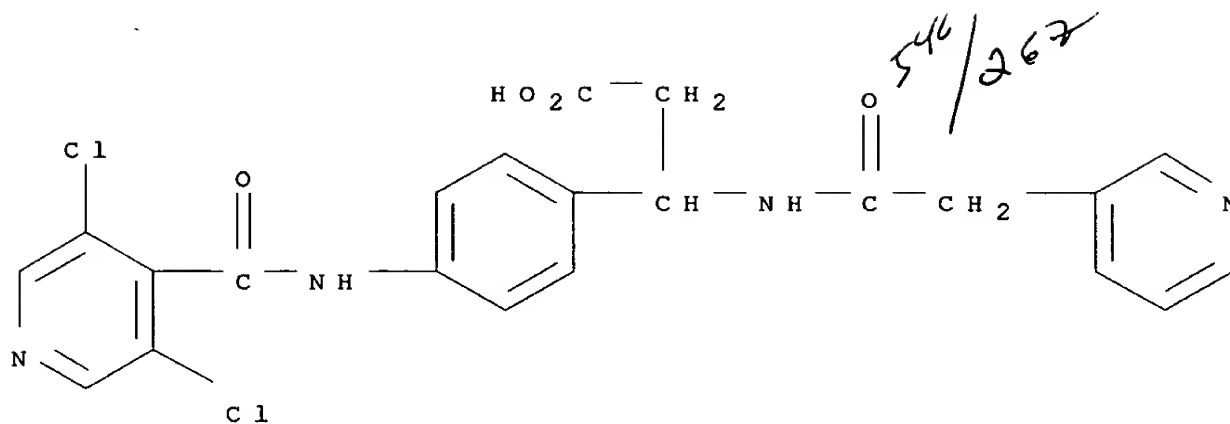
REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warreilow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.
 DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA,

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 (English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129.
 PRIORITY: GB 1998-26174 19981130.

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L14 ANSWER 4 OF 38 REGISTRY COPYRIGHT 2000 ACS
 RN 273920-16-4 REGISTRY
 CN Benzenepropanoic acid, 4-[[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-.beta.-[(3-pyridinylacetyl)amino]- (9CI) (CA INDEX NAME)

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1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warrelow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.

DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129.

PRIORITY: GB 1998-26174 19981130.

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L14 ANSWER 5 OF 38 REGISTRY COPYRIGHT 2000 ACS

RN 273920-14-2 REGISTRY

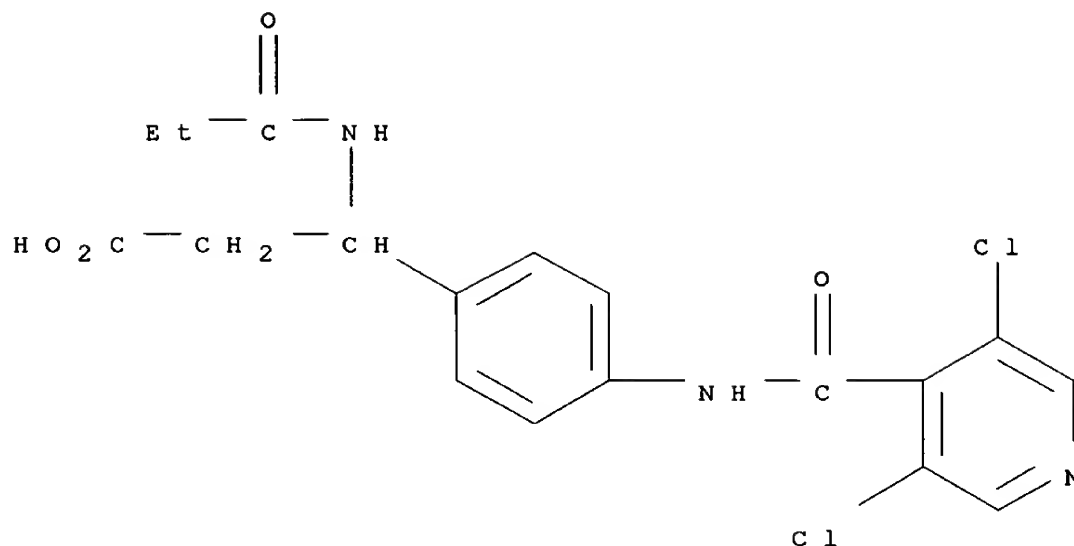
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FS 3D CONCORD

MF C18 H17 Cl2 N3 O4

SR CA

LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
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REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.

DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129. PRIORITY: GB 1998-26174 19981130.

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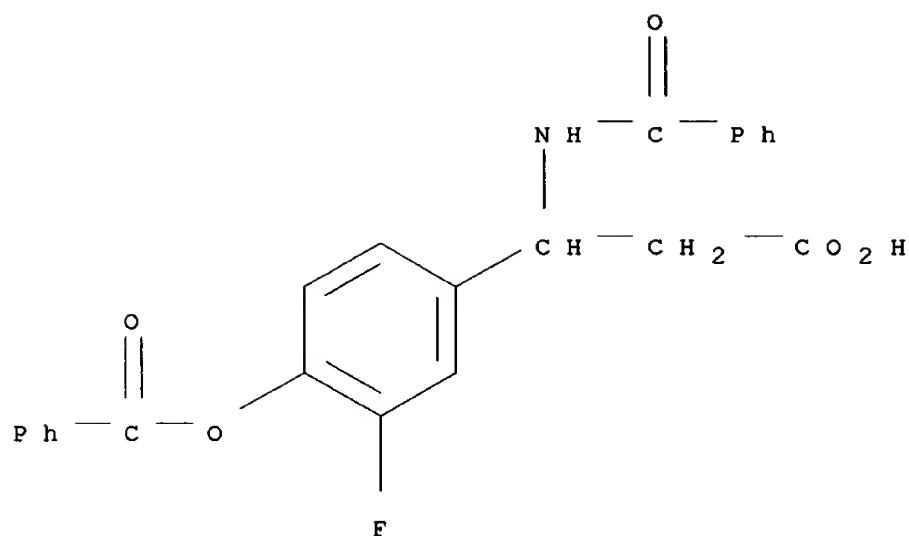
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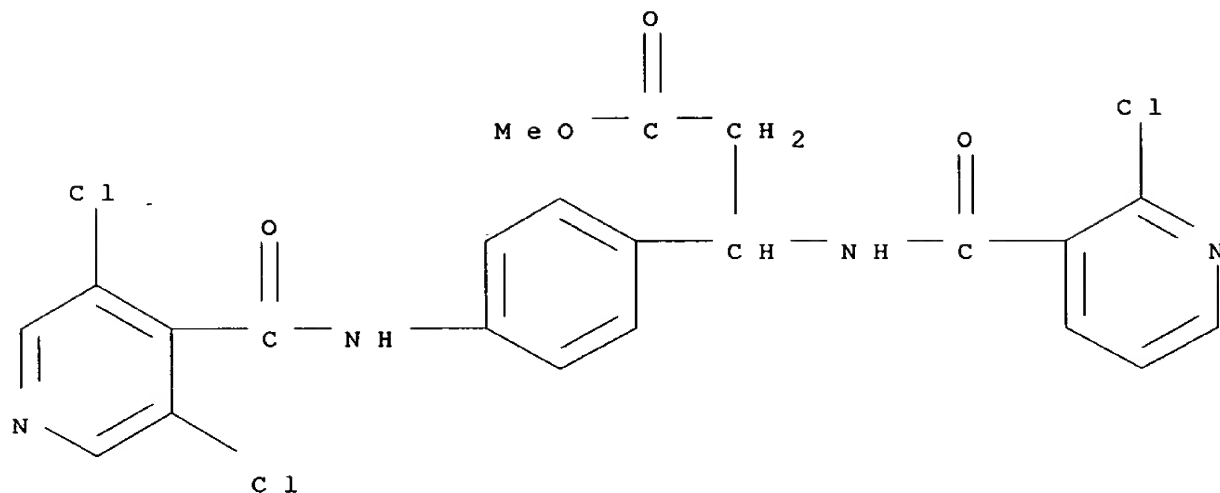
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L14 ANSWER 1 OF 38 REGISTRY COPYRIGHT 2000 ACS
RN 273921-26-9 REGISTRY
CN Benzenepropanoic acid, .beta.-[[[1-(4-chlorophenyl)cyclopropyl]carbonyl]amino]-4-[[[3,5-dichloro-4-pyridinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)
MF C25 H20 Cl3 N3 O4
SR CA
LC STN Files: CA, CAPLUS

SR CA
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1 REFERENCES IN FILE CA (1967 TO DATE)
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REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.

DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH,

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(English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129.

PRIORITY: GB 1998-26174 19981130.

PATENT NO. KIND DATE APPLICATION NO. DATE

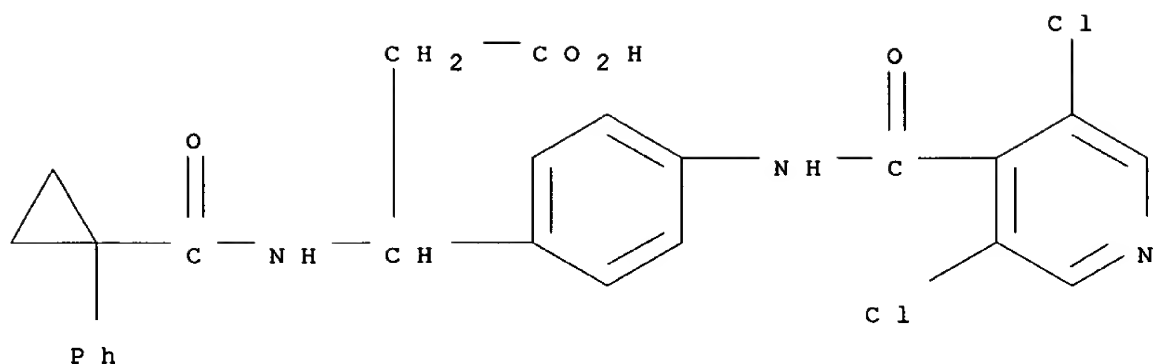
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REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.

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PRIORITY: GB 1998-26174 19981130.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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L14 ANSWER 7 OF 38 REGISTRY COPYRIGHT 2000 ACS

RN 273920-10-8 REGISTRY

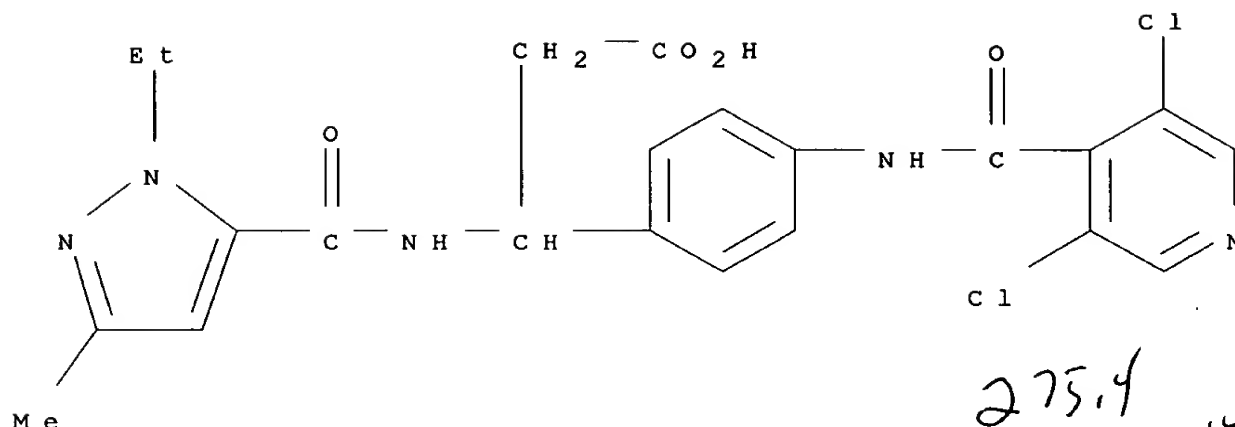
CN **Benzenepropanoic acid, 4-[[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-.beta.-[[[(1-ethyl-3-methyl-1H-pyrazol-5-yl)carbonyl]amino]- (9CI)**
(CA INDEX NAME)

FS 3D CONCORD

MF C22 H21 Cl2 N5 O4

SR CA

LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.

DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129.

PRIORITY: GB 1998-26174 19981130.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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L14 ANSWER 8 OF 38 REGISTRY COPYRIGHT 2000 ACS

RN 273920-09-5 REGISTRY

CN Benzenepropanoic acid, .beta.-[(2,1,3-benzoxadiazol-4-ylcarbonyl)amino]-4-[[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI)
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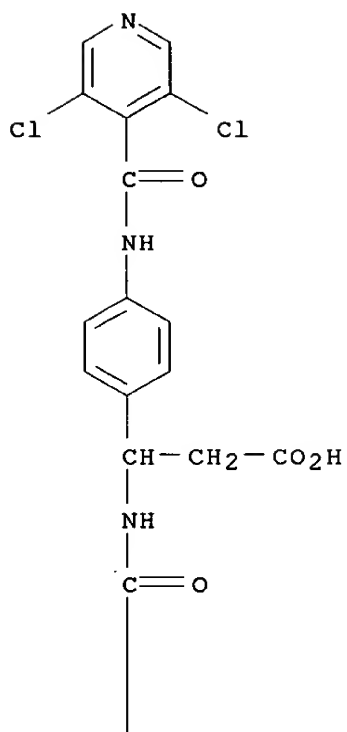
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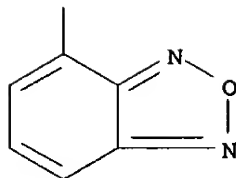
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SR CA

LC STN Files: CA, CAPLUS

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5.4/338

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warreallow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.

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L14 ANSWER 9 OF 38 REGISTRY COPYRIGHT 2000 ACS

RN 273920-08-4 REGISTRY

CN Benzenepropanoic acid, 4-[[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-.beta.-[[[(4-methyl-1,2,3-thiadiazol-5-yl)carbonyl]amino]- (9CI) (CA INDEX NAME)

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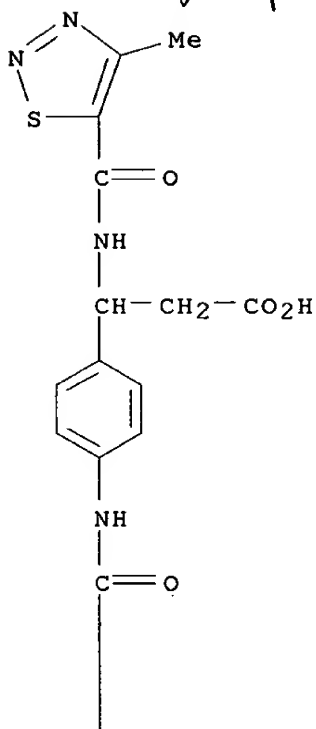
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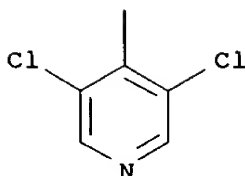
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544/26812

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1 REFERENCES IN FILE CA (1967 TO DATE)
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REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.

DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129. PRIORITY: GB 1998-26174 19981130.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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L14 ANSWER 10 OF 38 REGISTRY COPYRIGHT 2000 ACS

RN 273920-07-3 REGISTRY

CN **Benzenepropanoic acid, 4-[[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-.beta.-[[[(1-methyl-5-nitro-1H-pyrazol-4-yl)carbonyl]amino]- (9CI)**
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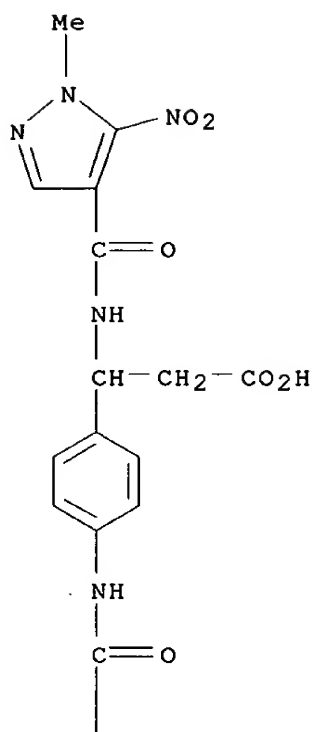
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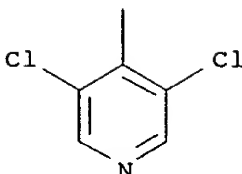
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SR CA

LC STN Files: CA, CAPLUS

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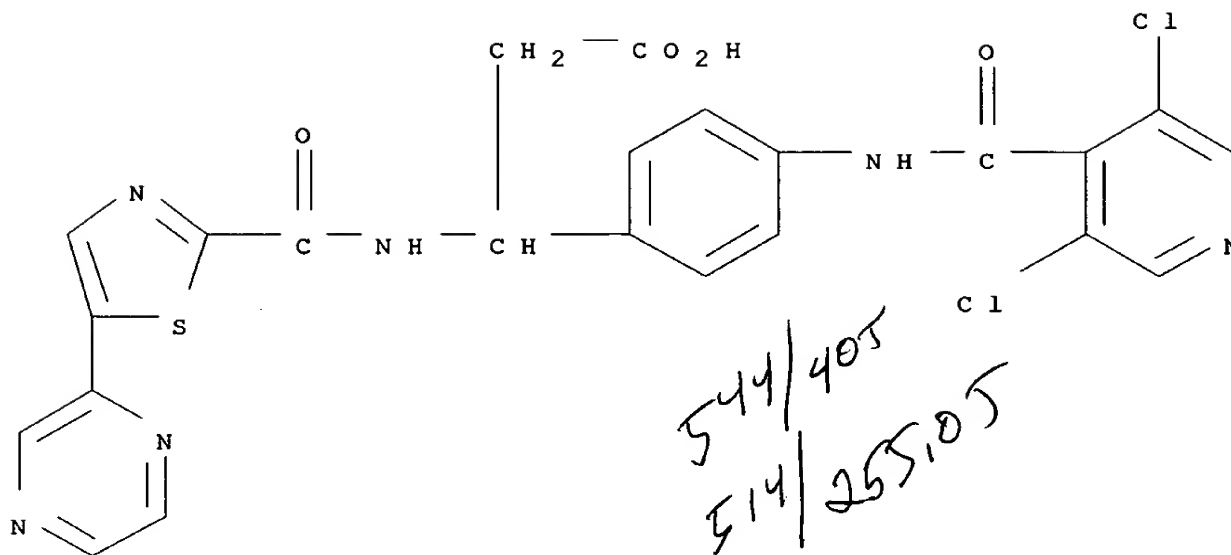
1 REFERENCES IN FILE CA (1967 TO DATE)
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REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warreallow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.

DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129. PRIORITY: GB 1998-26174 19981130.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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L14 ANSWER 11 OF 38 REGISTRY COPYRIGHT 2000 ACS
 RN 273920-06-2 REGISTRY
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 LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
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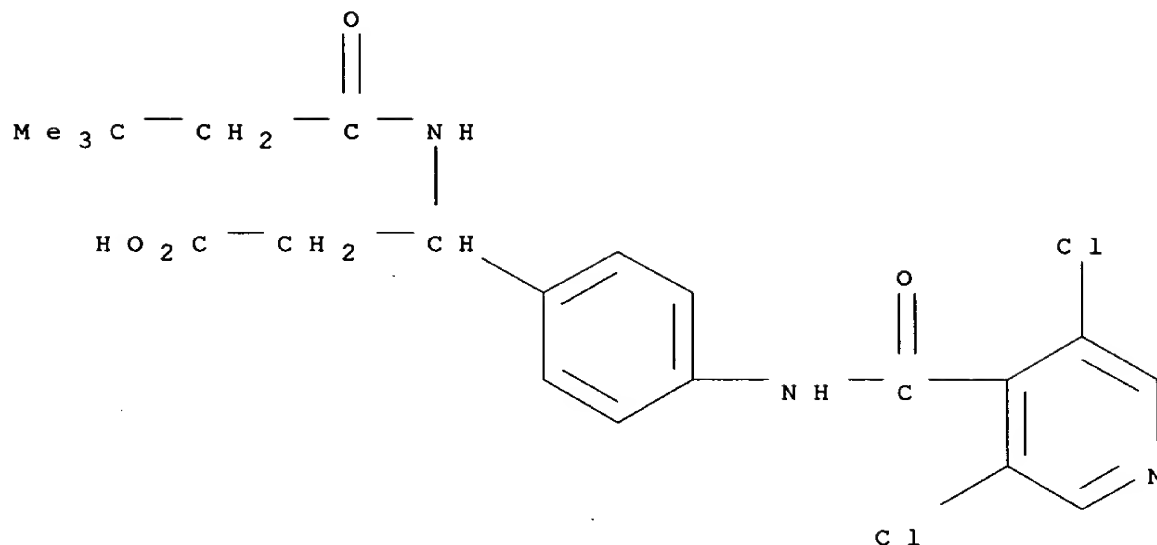
REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.

DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129. PRIORITY: GB 1998-26174 19981130.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| PI WO 2000032575 | A1 | 20000608 | WO 1999-GB3986 | 19991129 |
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L14 ANSWER 12 OF 38 REGISTRY COPYRIGHT 2000 ACS
RN 273920-05-1 REGISTRY
CN Benzenepropanoic acid, 4-[[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-.beta.-[[[3,3-dimethyl-1-oxobutyl)amino]]-(9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C21 H23 Cl2 N3 O4
SR CA

LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.
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(English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129.

PRIORITY: GB 1998-26174 19981130.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| PI WO 2000032575 | A1 | 20000608 | WO 1999-GB3986 | 19991129 |
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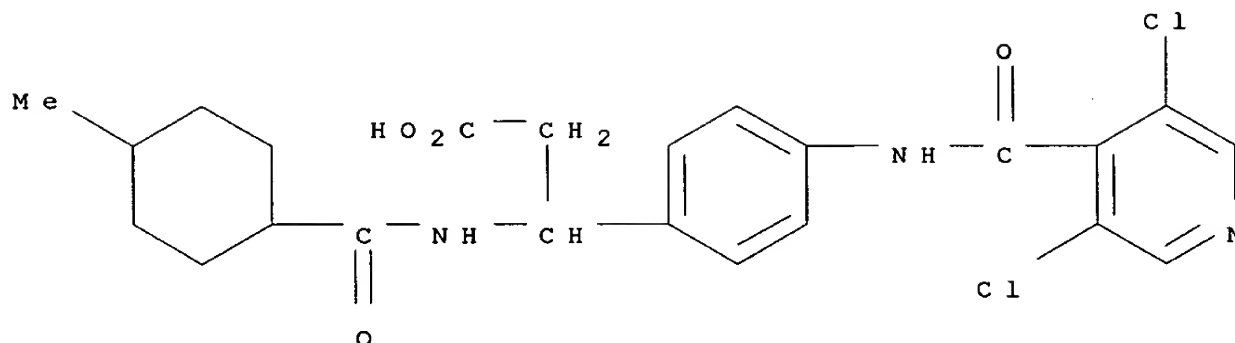
RN 273920-04-0 REGISTRY

CN Benzenepropanoic acid, 4-[[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-.beta.-[[[(4-methylcyclohexyl)carbonyl]amino]- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C23 H25 Cl2 N3 O4

SR CA
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warreallow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.
DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA,

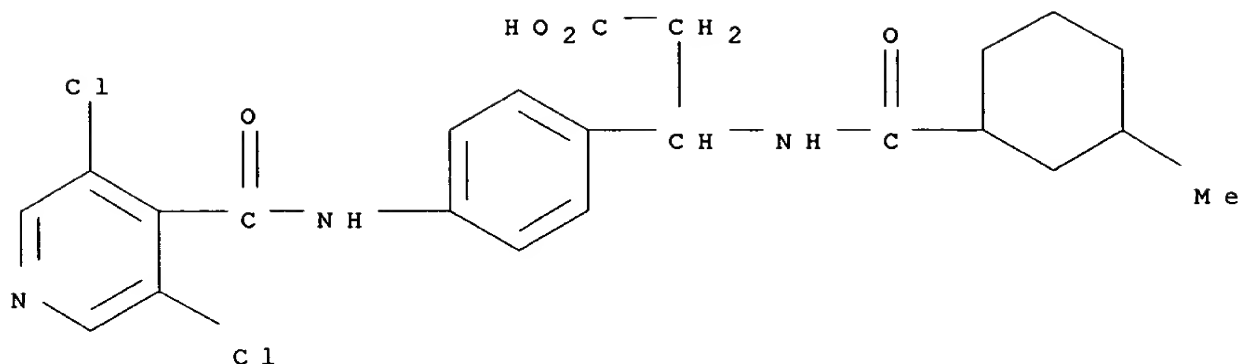
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(English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129.

PRIORITY: GB 1998-26174 19981130.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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L14 ANSWER 14 OF 38 REGISTRY COPYRIGHT 2000 ACS
RN 273920-03-9 REGISTRY
CN Benzenepropanoic acid, 4-[[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-.beta.-[[[3-methylcyclohexyl)carbonyl]amino]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C23 H25 Cl2 N3 O4
SR CA
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warreallow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.
DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA,

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(English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129.

PRIORITY: GB 1998-26174 19981130.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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L14 ANSWER 15 OF 38 REGISTRY COPYRIGHT 2000 ACS

RN 273920-02-8 REGISTRY

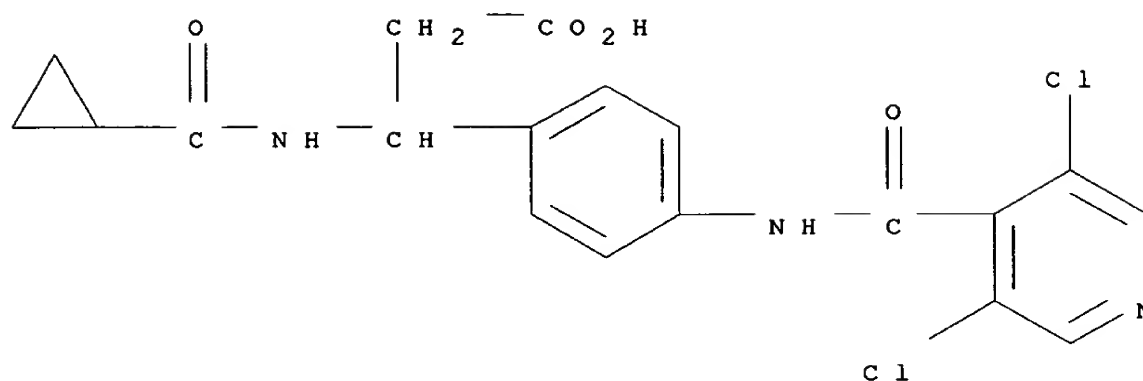
CN **Benzenepropanoic acid, .beta.-[(cyclopropylcarbonyl)amino]-4-[[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)**

FS 3D CONCORD

MF C19 H17 Cl2 N3 O4

SR CA

LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.
DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA,

CH,

CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG.
(English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129.

PRIORITY: GB 1998-26174 19981130.

PATENT NO. KIND DATE APPLICATION NO. DATE

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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L14 ANSWER 16 OF 38 REGISTRY COPYRIGHT 2000 ACS

RN 273920-01-7 REGISTRY

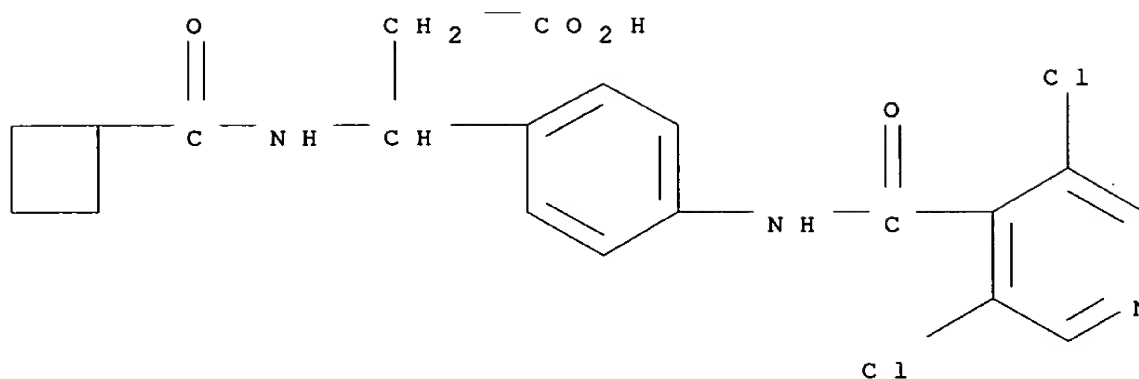
CN Benzenepropanoic acid, .beta.-[(cyclobutylcarbonyl)amino]-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C20 H19 Cl2 N3 O4

SR CA

LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.

DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129.

PRIORITY: GB 1998-26174 19981130.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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L14 ANSWER 17 OF 38 REGISTRY COPYRIGHT 2000 ACS

RN 273920-00-6 REGISTRY

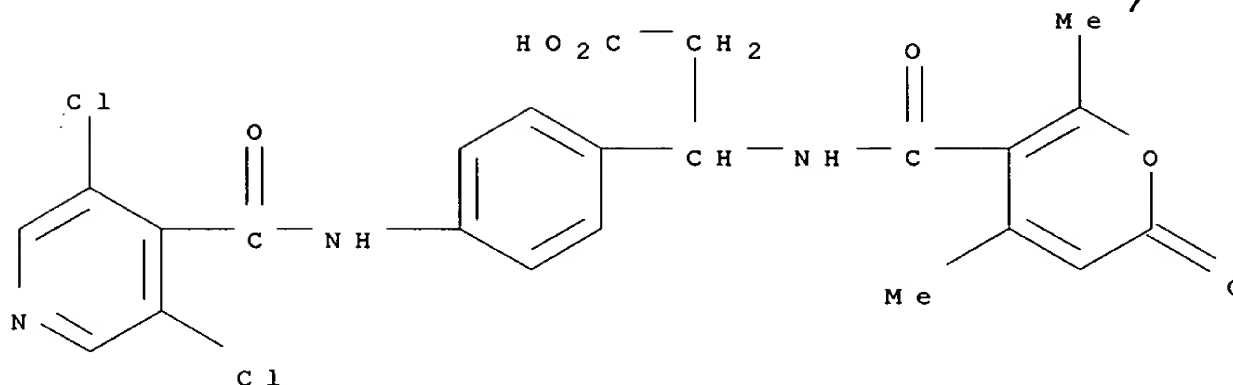
CN Benzenepropanoic acid, 4-[[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-.beta.-[[[(4,6-dimethyl-2-oxo-2H-pyran-5-yl)carbonyl]amino]- (9CI)
(CA INDEX NAME)

FS 3D CONCORD

MF C23 H19 Cl2 N3 O6

SR CA

LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
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REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.
DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA,

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(English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129.

PRIORITY: GB 1998-26174 19981130.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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L14 ANSWER 18 OF 38 REGISTRY COPYRIGHT 2000 ACS

RN 273919-99-6 REGISTRY

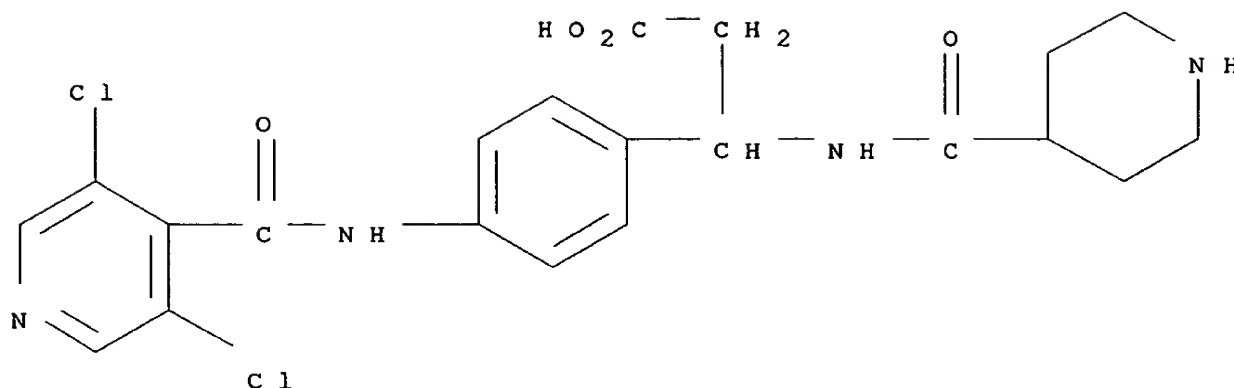
CN Benzenepropanoic acid, 4-[[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-.beta.-[(4-piperidinylcarbonyl)amino]- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C21 H22 Cl2 N4 O4

SR CA

LC STN Files: CA, CAPLUS



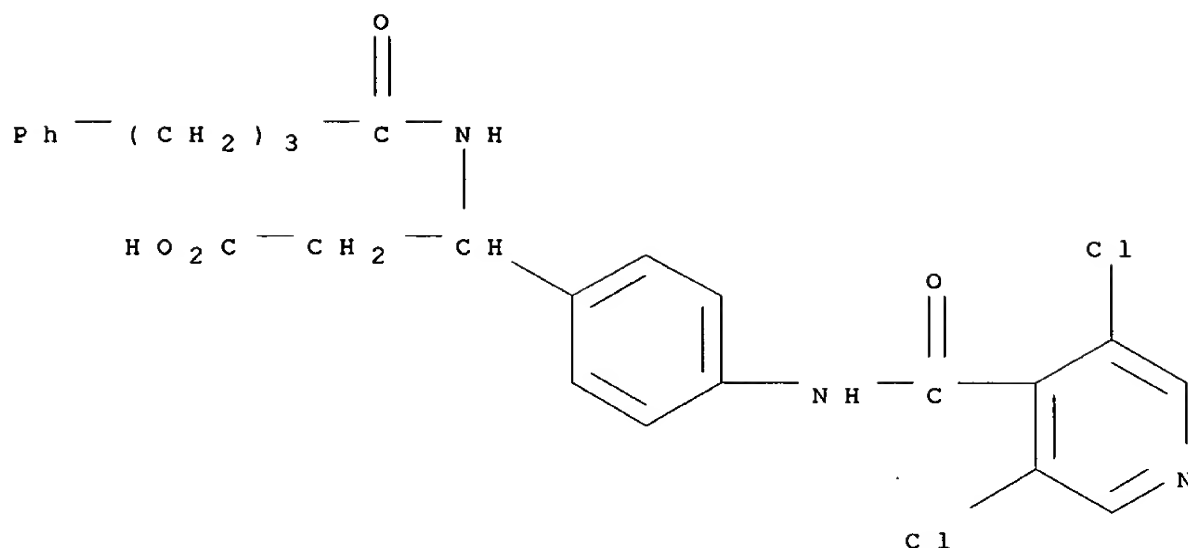
1 REFERENCES IN FILE CA (1967 TO DATE)
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REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.

DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129. PRIORITY: GB 1998-26174 19981130.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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L14 ANSWER 19 OF 38 REGISTRY COPYRIGHT 2000 ACS
RN 273919-98-5 REGISTRY
CN Benzenepropanoic acid, 4-[[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-.beta.-[(1-oxo-4-phenylbutyl)amino]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C25 H23 Cl2 N3 O4
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1 REFERENCES IN FILE CA (1967 TO DATE)
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REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.

DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA,

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(English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129.

PRIORITY: GB 1998-26174 19981130.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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PI WO 2000032575 A1 20000608 WO 1999-GB3986 19991129

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CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

L14 ANSWER 20 OF 38 REGISTRY COPYRIGHT 2000 ACS

RN 273919-97-4 REGISTRY

CN Benzenepropanoic acid, 4-[[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-
.beta.-[[[(2E)-1-oxo-3-phenyl-2-propenyl]amino]- (9CI) (CA INDEX
NAME)

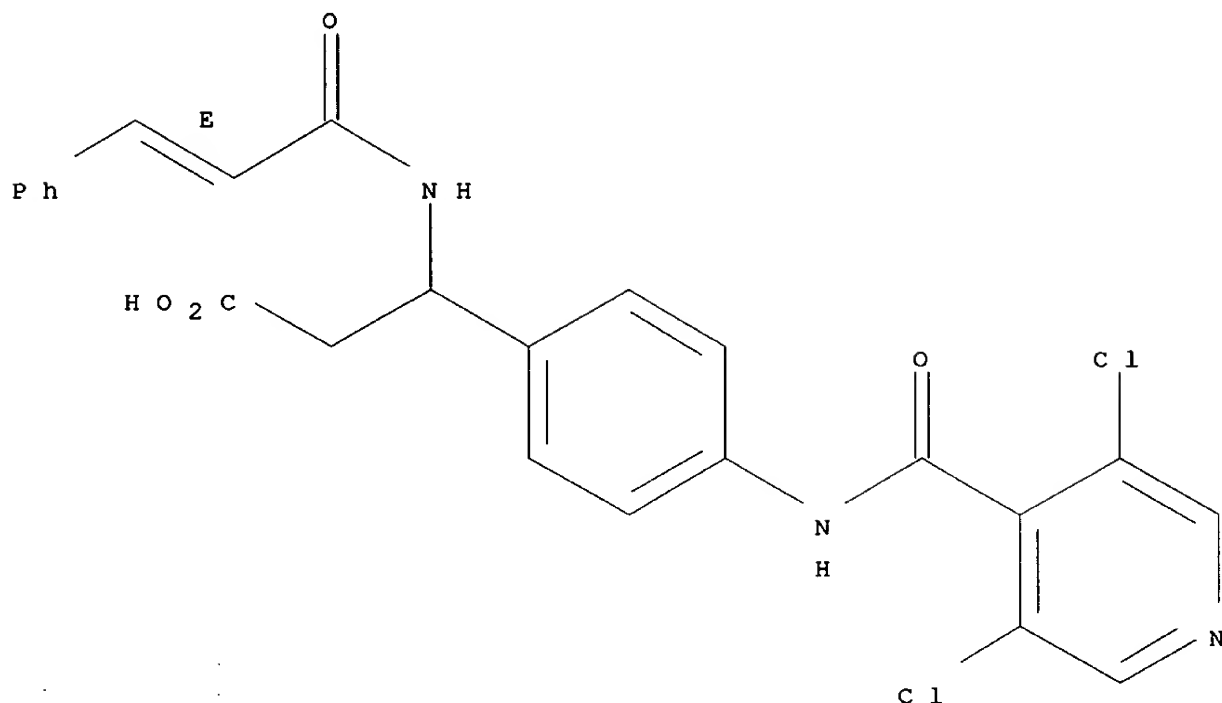
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LC STN Files: CA, CAPLUS

Double bond geometry as shown.



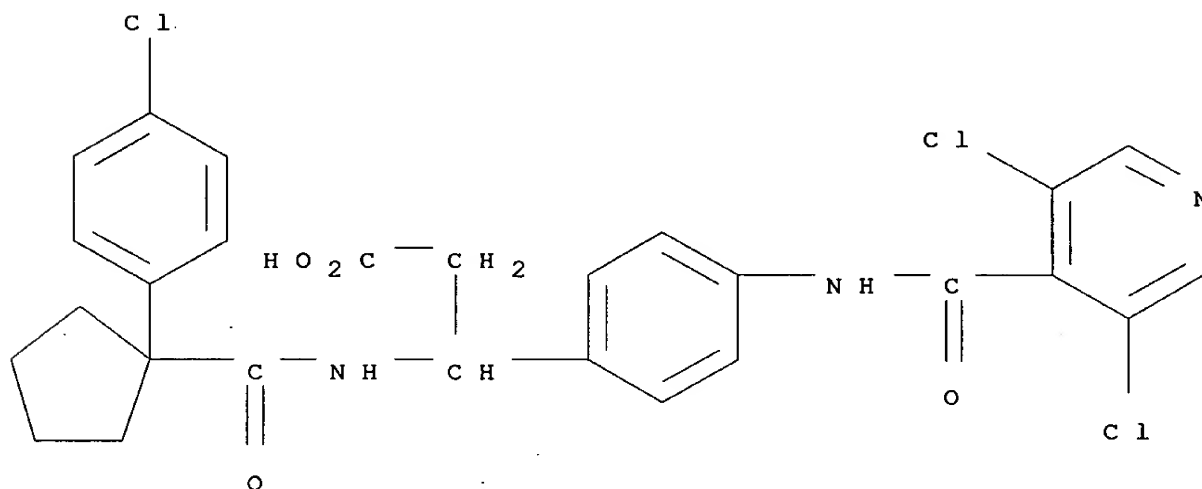
1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.

DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129. PRIORITY: GB 1998-26174 19981130.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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L14 ANSWER 21 OF 38 REGISTRY COPYRIGHT 2000 ACS
 RN 273919-96-3 REGISTRY
 CN Benzenepropanoic acid, .beta.-[[[1-(4-chlorophenyl)cyclopentyl]carbonyl]amino]-4-[[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)
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 SR CA
 LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.

DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA,

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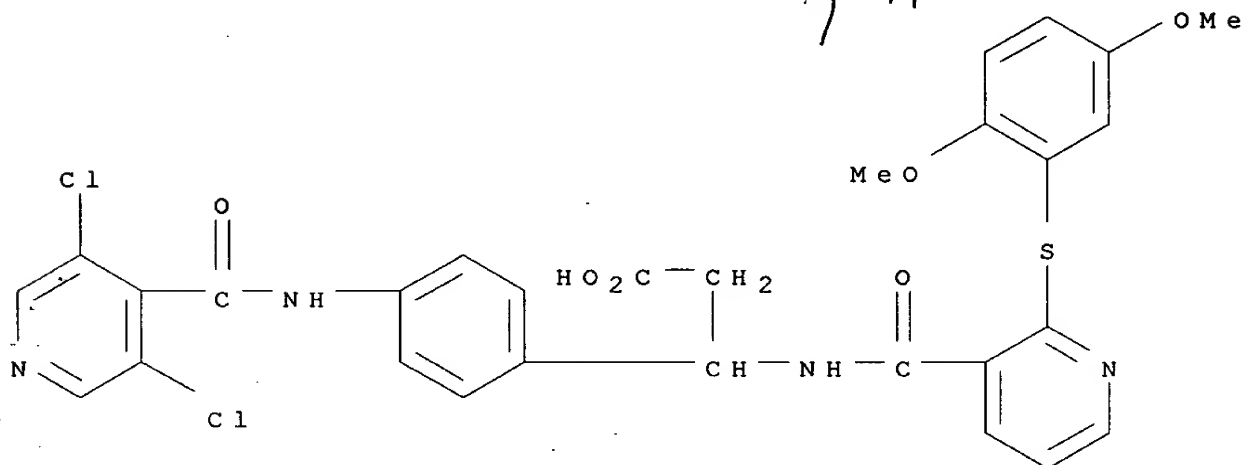
PRIORITY: GB 1998-26174 19981130.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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L14 ANSWER 22 OF 38 REGISTRY COPYRIGHT 2000 ACS
 RN 273919-95-2 REGISTRY
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 .beta.-[[[2-[(2,5-dimethoxyphenyl)thio]-3-pyridinyl]carbonyl]amino]-
 (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C29 H24 Cl2 N4 O6 S
 SR CA
 LC STN Files: CA, CAPLUS

548/261
 514/325



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as
 .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford;
 Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics
 Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.
 DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA,

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 (English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129.

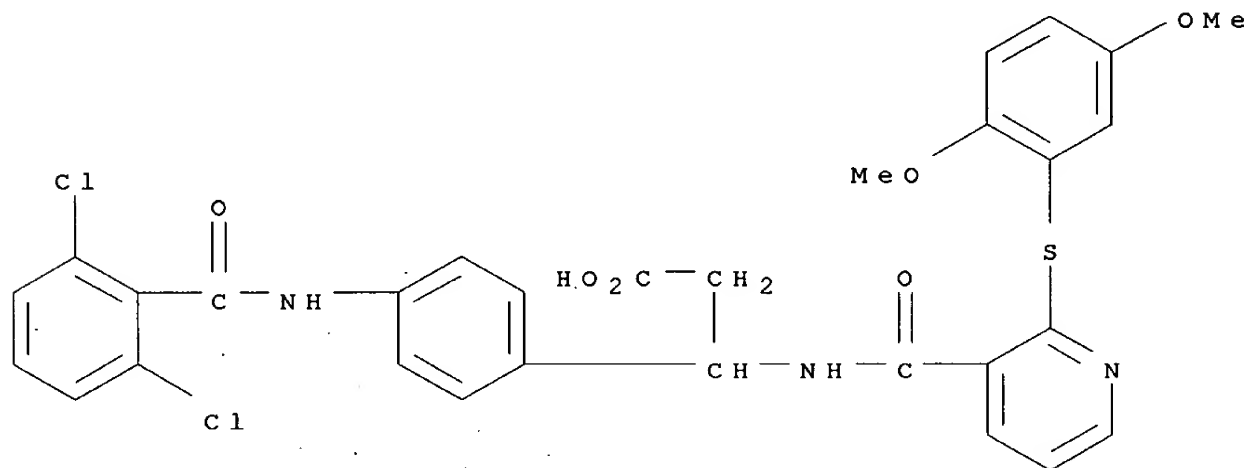
PRIORITY: GB 1998-26174 19981130.

PATENT NO. KIND DATE APPLICATION NO. DATE

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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L14 ANSWER 23 OF 38 REGISTRY COPYRIGHT 2000 ACS
RN 273919-93-0 REGISTRY
CN Benzenepropanoic acid, 4-[(2,6-dichlorobenzoyl)amino]-.beta.-[[[2-[(2,5-dimethoxyphenyl)thio]-3-pyridinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C30 H25 Cl2 N3 O6 S
SR CA
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as
.alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford;
Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics
Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.

DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA,
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(English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129.

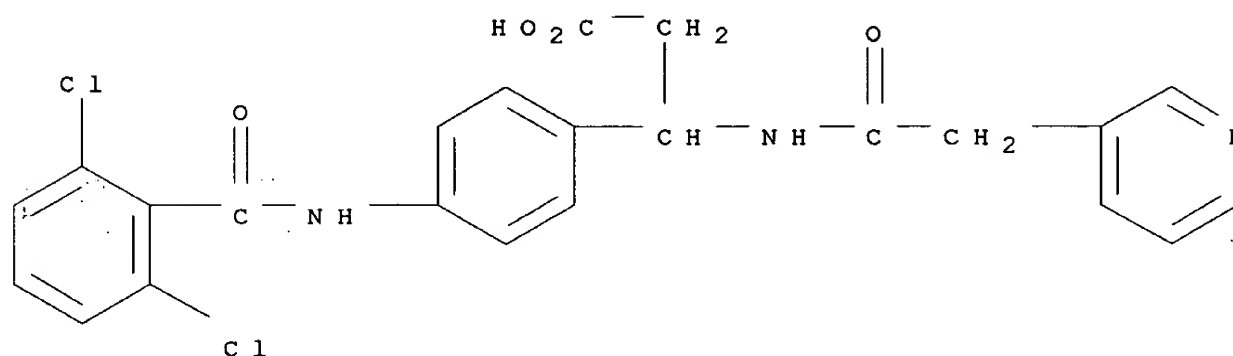
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L14 ANSWER 24 OF 38 REGISTRY COPYRIGHT 2000 ACS
 RN 273919-92-9 REGISTRY
 CN Benzenepropanoic acid, 4-[(2,6-dichlorobenzoyl)amino]-.beta.-[(3-
 pyridinylacetyl)amino]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
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 SR CA
 LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
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REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as
 .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford;
 Warrelow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics
 Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.

DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA,
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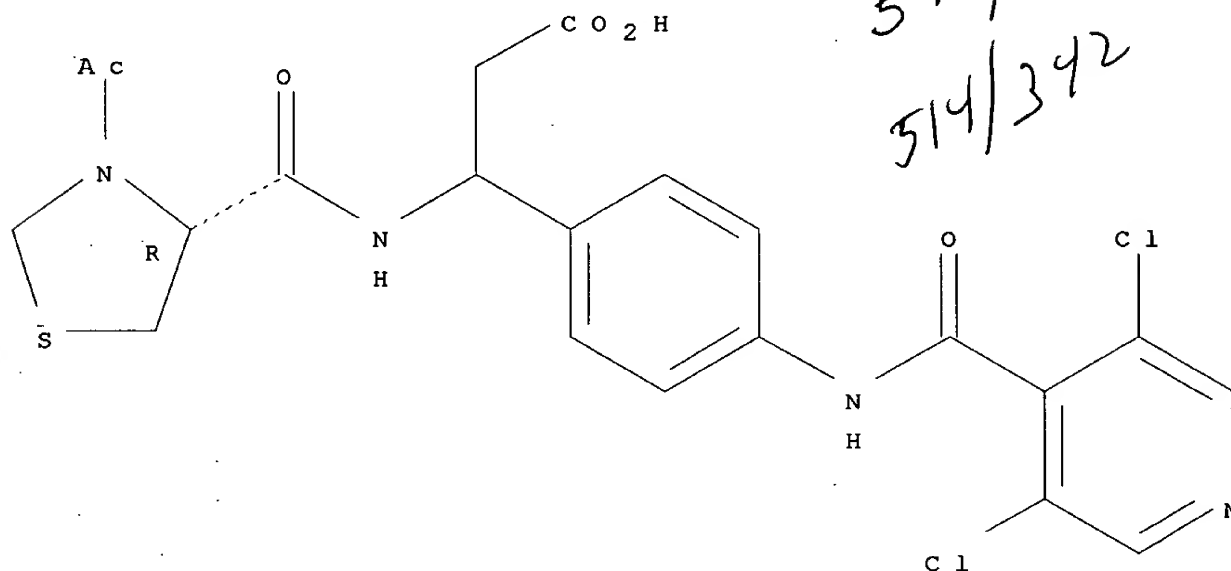
(English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129.

PRIORITY: GB 1998-26174 19981130.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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L14 ANSWER 25 OF 38 REGISTRY COPYRIGHT 2000 ACS
 RN 273919-90-7 REGISTRY
 CN Benzenepropanoic acid, .beta.-[[[(4R)-3-acetyl-4-thiazolidinyl]carbonyl]amino]-4-[[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C21 H20 Cl2 N4 O5 S
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 LC STN Files: CA, CAPLUS

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1967 TO DATE)
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REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.
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 (English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129.
 PRIORITY: GB 1998-26174 19981130.

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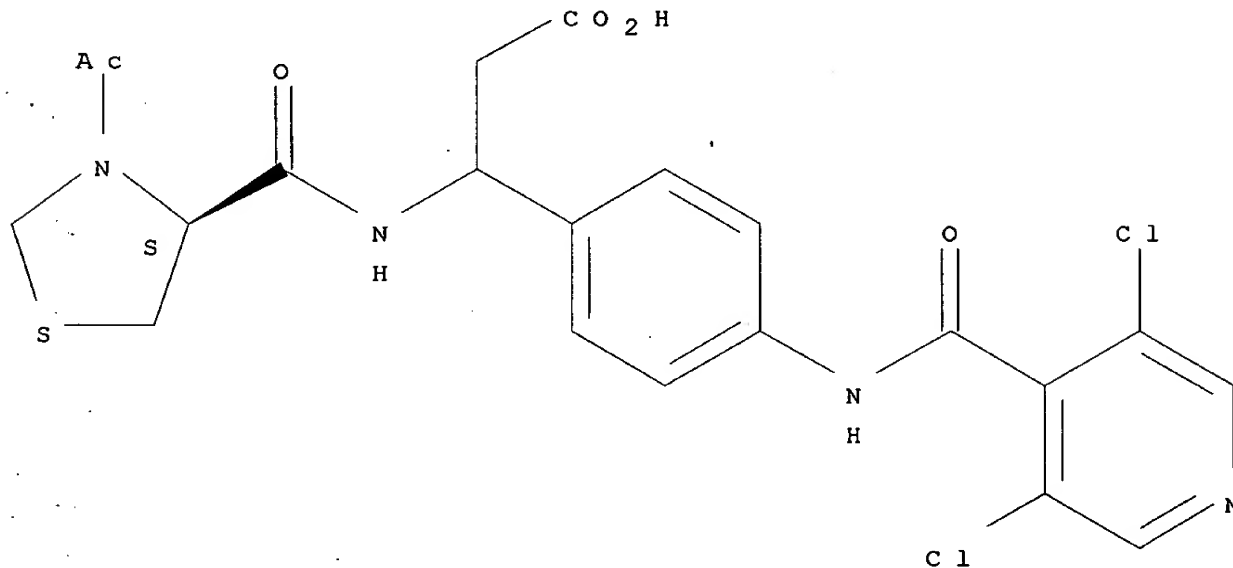
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L14 ANSWER 26 OF 38 REGISTRY COPYRIGHT 2000 ACS
 RN 273919-89-4 REGISTRY
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 FS STEREOSEARCH
 MF C21 H20 Cl2 N4 O5 S
 SR CA
 LC STN Files: CA, CAPLUS

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as
 .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford;
 Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics
 Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.
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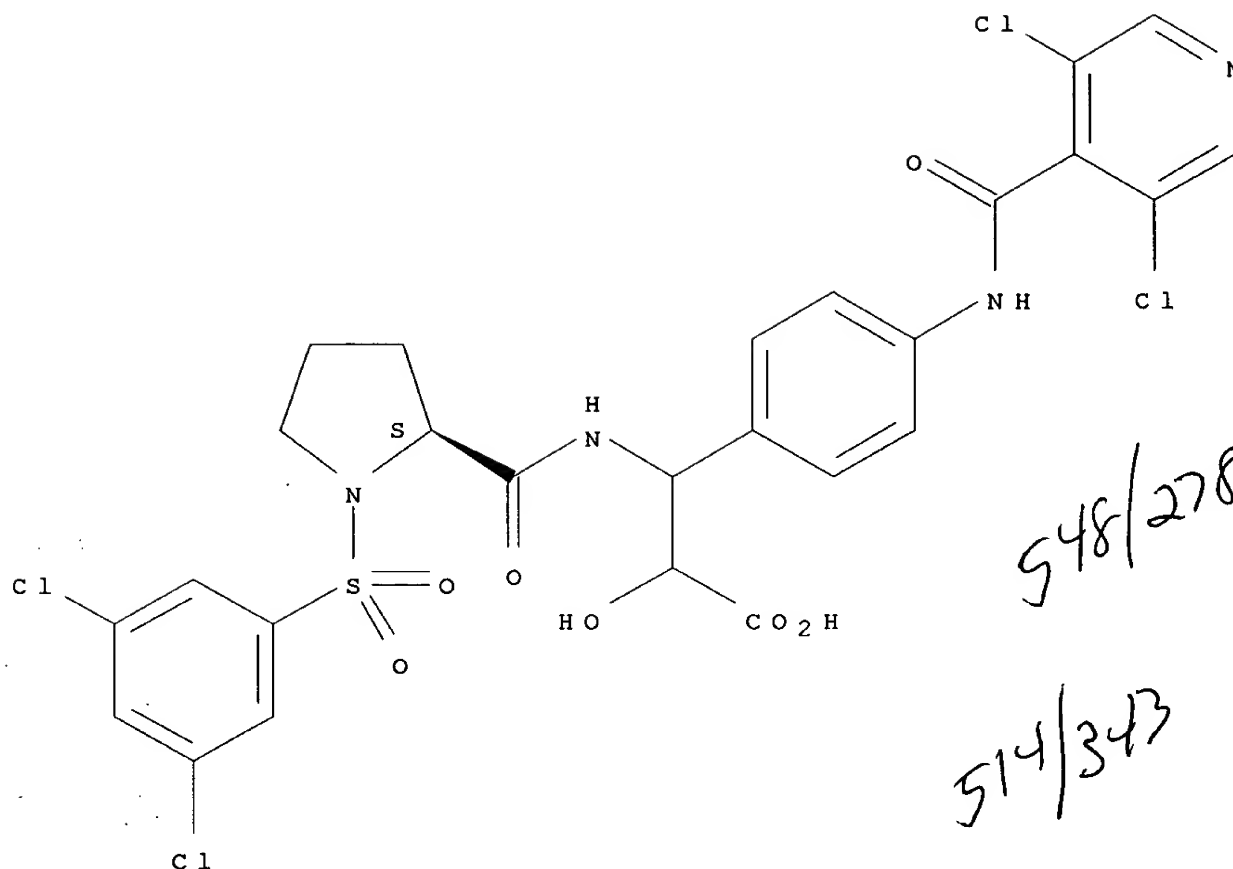
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 PRIORITY: GB 1998-26174 19981130.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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L14 ANSWER 27 OF 38 REGISTRY COPYRIGHT 2000 ACS
RN 273919-88-3 REGISTRY
CN .beta.-Alanine, 1-[(3,5-dichlorophenyl)sulfonyl]-L-prolyl-3-[4-[[(3,5-
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INDEX NAME)
FS STEREOSEARCH
MF C26 H22 Cl4 N4 O7 S
SR CA
LC STN Files: CA, CAPLUS

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.
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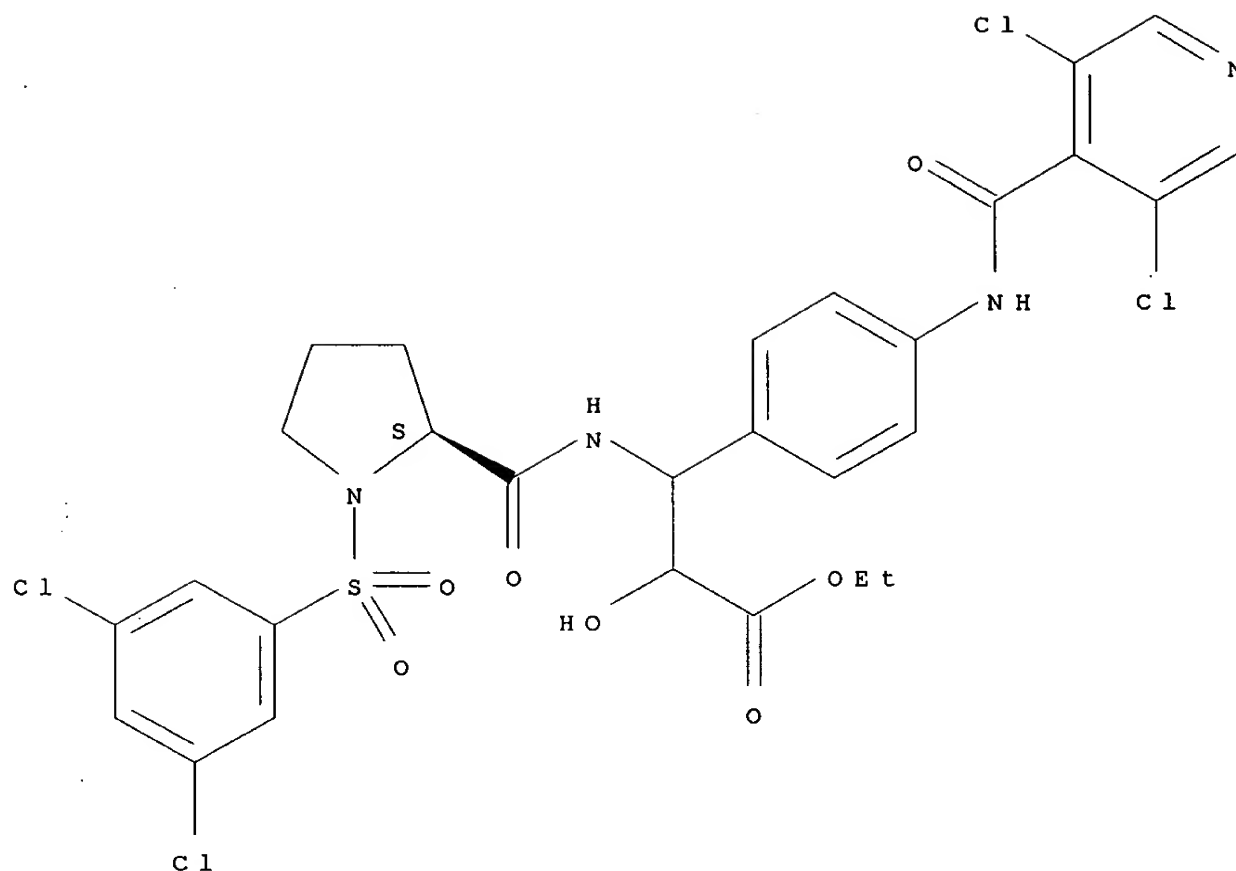
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(English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129.
PRIORITY: GB 1998-26174 19981130.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| PI WO 2000032575 | A1 | 20000608 | WO 1999-GB3986 | 19991129 |

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CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

L14 ANSWER 28 OF 38 REGISTRY COPYRIGHT 2000 ACS
RN 273919-87-2 REGISTRY
CN .beta.-Alanine, 1-[(3,5-dichlorophenyl)sulfonyl]-L-prolyl-3-[4-[[(3,5-
dichloro-4-pyridinyl)carbonyl]amino]phenyl]-2-hydroxy-, ethyl ester
(9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C28 H26 Cl4 N4 O7 S
SR CA
LC STN Files: CA, CAPLUS

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.

DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH,

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(English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129.

PRIORITY: GB 1998-26174 19981130.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| PI WO 2000032575 | A1 | 20000608 | WO 1999-GB3986 | 19991129 |

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L14 ANSWER 29 OF 38 REGISTRY COPYRIGHT 2000 ACS

RN 273919-85-0 REGISTRY

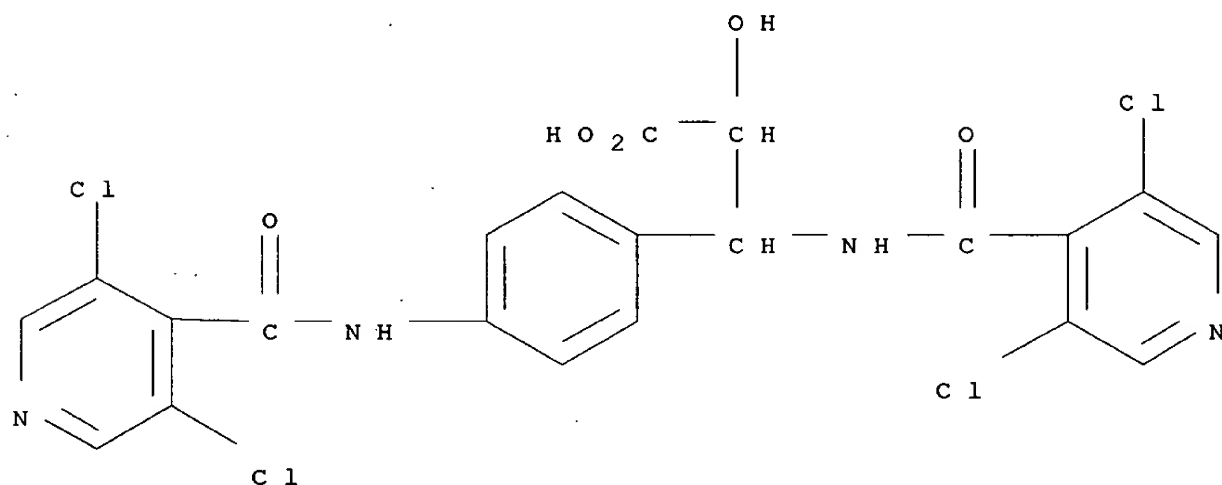
CN Benzenepropanoic acid, .beta.,4-bis[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-.alpha.-hydroxy- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C21 H14 Cl4 N4 O5

SR CA

LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.

DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH,

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(English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129.

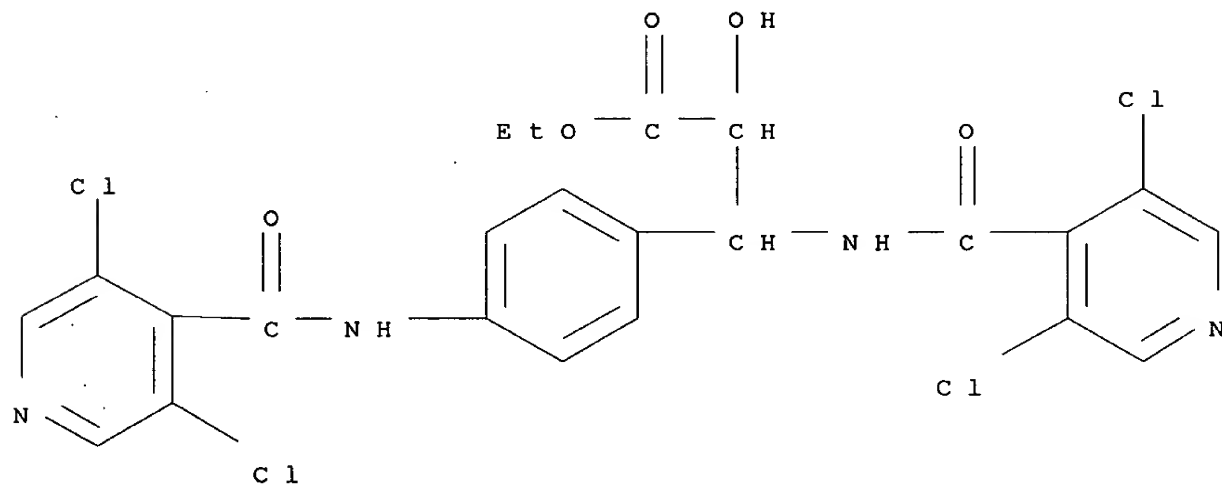
PRIORITY: GB 1998-26174 19981130.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|------|----------|-----------------|----------|
| WO 2000032575 | A1 | 20000608 | WO 1999-GB3986 | 19991129 |

PI WO 2000032575 A1 20000608 WO 1999-GB3986 19991129
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L14 ANSWER 30 OF 38 REGISTRY COPYRIGHT 2000 ACS
 RN 273919-84-9 REGISTRY
 CN Benzenepropanoic acid, .beta.,4-bis[[(3,5-dichloro-4-
 pyridinyl)carbonyl]amino]-.alpha.-hydroxy-, ethyl ester (9CI) (CA
 INDEX NAME)
 FS 3D CONCORD
 MF C23 H18 Cl4 N4 O5
 SR CA
 LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as
 .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford;
 Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics
 Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.

DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA,
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 RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI,
 FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG.
 (English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129.
 PRIORITY: GB 1998-26174 19981130.

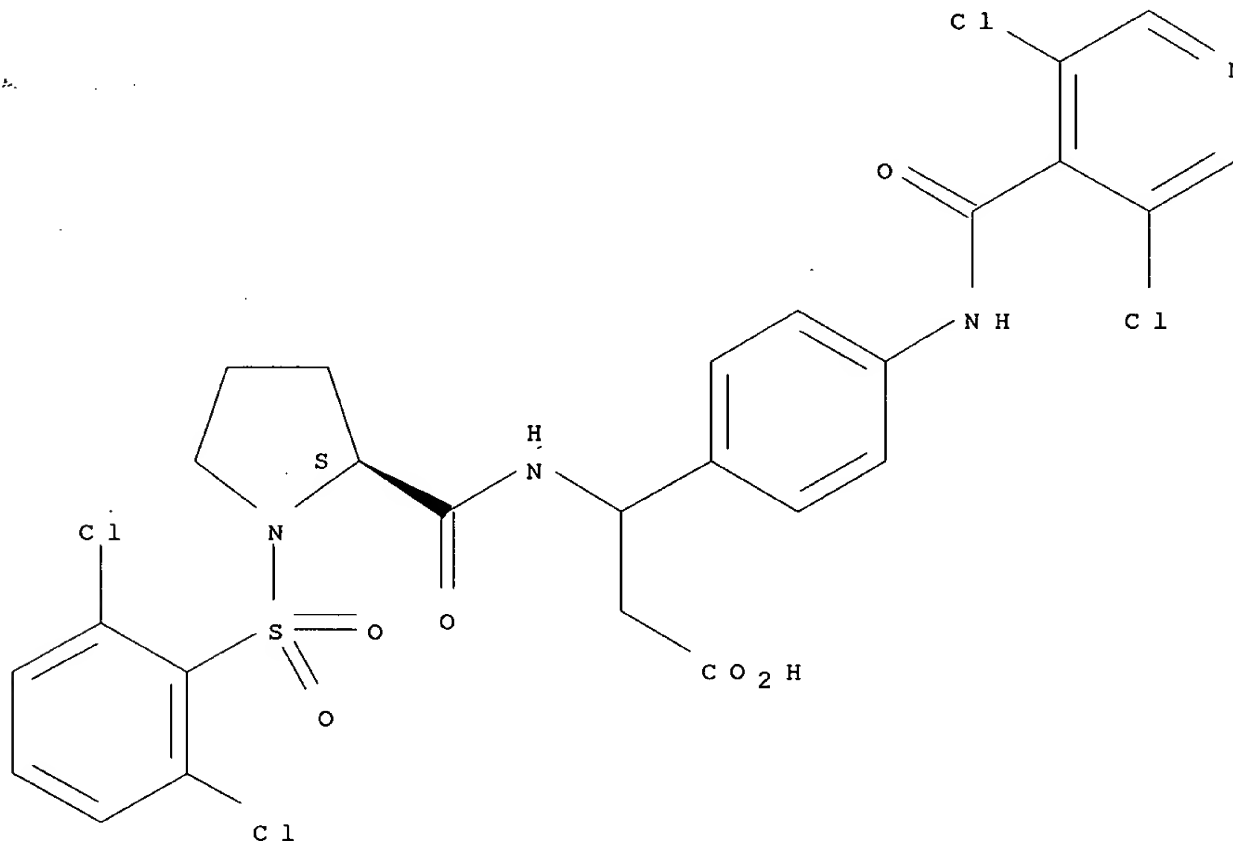
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 CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

L14 ANSWER 31 OF 38 REGISTRY COPYRIGHT 2000 ACS
 RN 273919-83-8 REGISTRY
 CN .beta.-Alanine, 1-[(2,6-dichlorophenyl)sulfonyl]-L-prolyl-3-[4-[[[(3,5-
 dichloro-4-pyridinyl)carbonyl]amino]phenyl]- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C26 H22 Cl4 N4 O6 S
 SR CA
 LC STN Files: CA, CAPLUS

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as
 .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford;

Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.

DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA,

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(English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129.

PRIORITY: GB 1998-26174 19981130.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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L14 ANSWER 32 OF 38 REGISTRY COPYRIGHT 2000 ACS

RN 273919-82-7 REGISTRY

CN .beta.-Alanine, 1-[(2,6-dichlorophenyl)sulfonyl]-L-prolyl-3-[4-[[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]phenyl]-, methyl ester (9CI) (CA INDEX NAME)

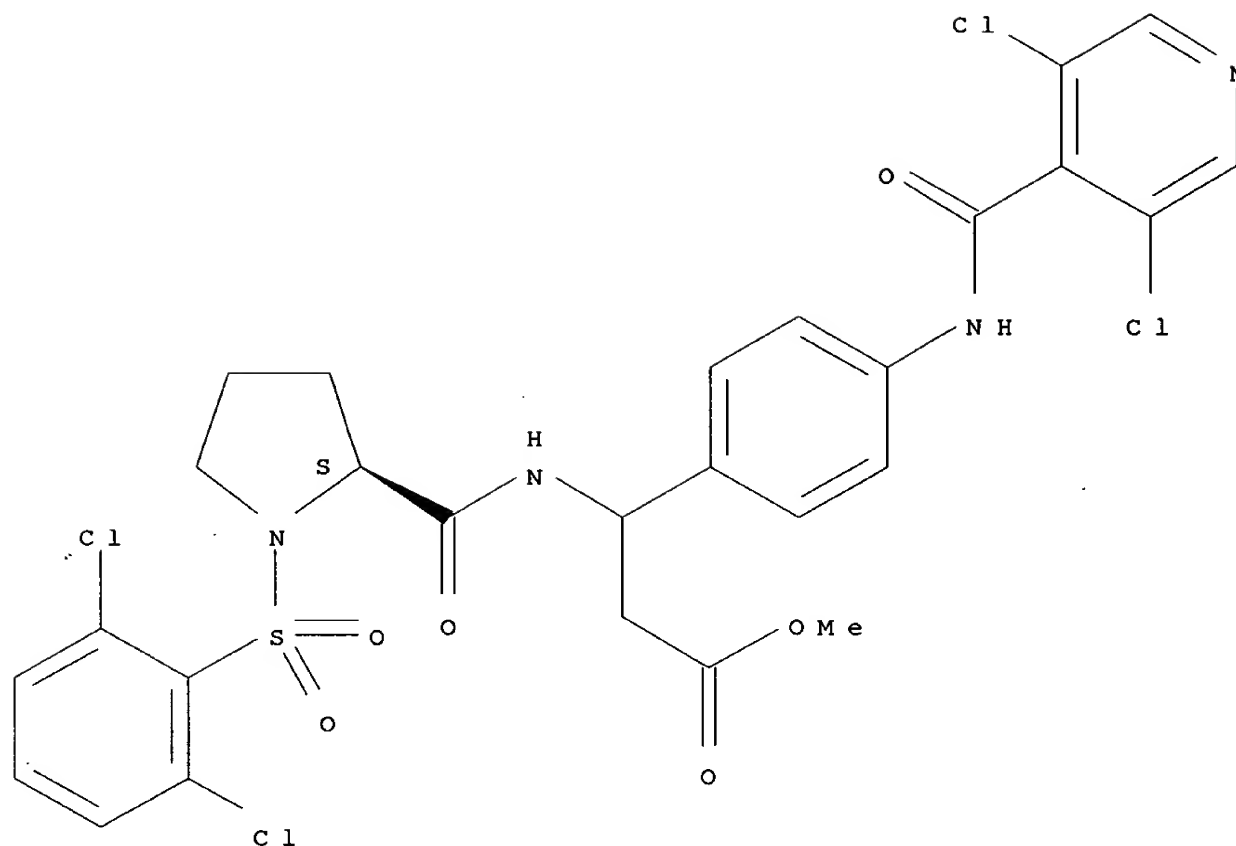
FS STEREOSEARCH

MF C27 H24 Cl4 N4 O6 S

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1967 TO DATE)
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REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.

DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH,

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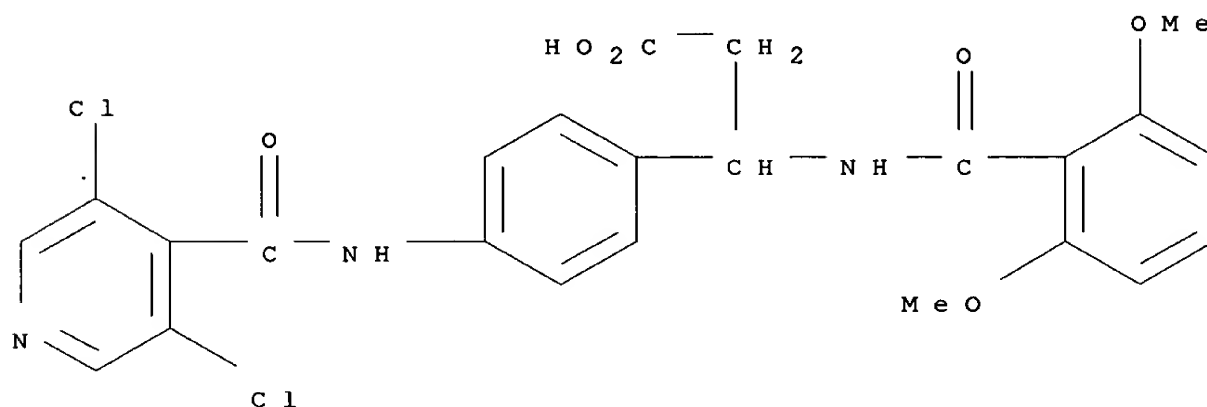
PRIORITY: GB 1998-26174 19981130.

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L14 ANSWER 33 OF 38 REGISTRY COPYRIGHT 2000 ACS
 RN 273919-74-7 REGISTRY
 CN **Benzenepropanoic acid, 4-[[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-
 .beta.-[(2,6-dimethoxybenzoyl)amino]- (9CI) (CA INDEX NAME)**
 FS 3D CONCORD
 MF C24 H21 Cl2 N3 O6
 SR CA
 LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as
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 (English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129.
 PRIORITY: GB 1998-26174 19981130.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

L14 ANSWER 34 OF 38 REGISTRY COPYRIGHT 2000 ACS

RN 273919-73-6 REGISTRY

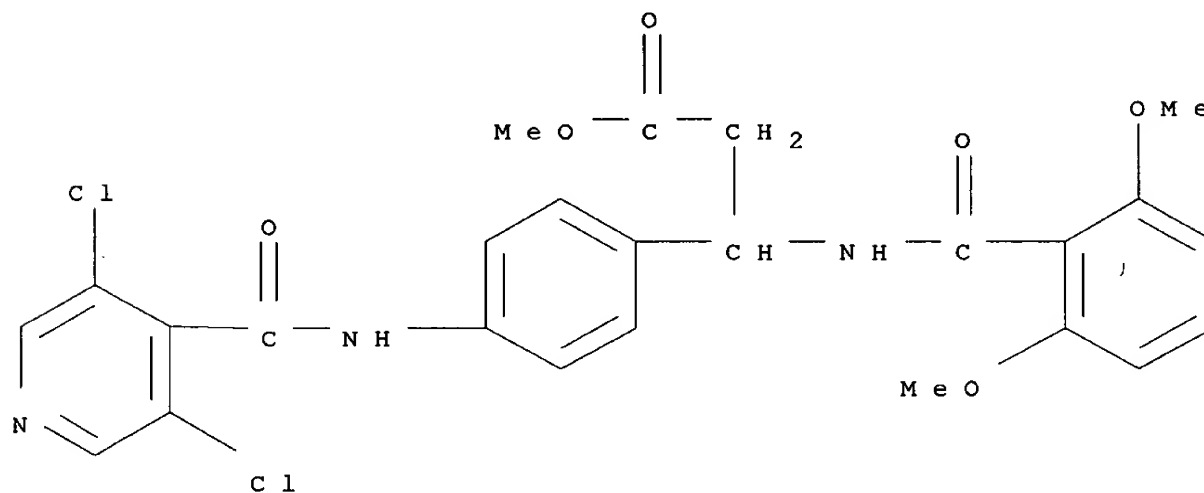
CN Benzenepropanoic acid, 4-[[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-
.beta.-[(2,6-dimethoxybenzoyl)amino]-, methyl ester (9CI) (CA INDEX
NAME)

FS 3D CONCORD

MF C25 H23 Cl2 N3 O6

SR CA

LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as
.alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford;
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DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA,

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MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,
TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD,
RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI,
FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG.

(English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129.

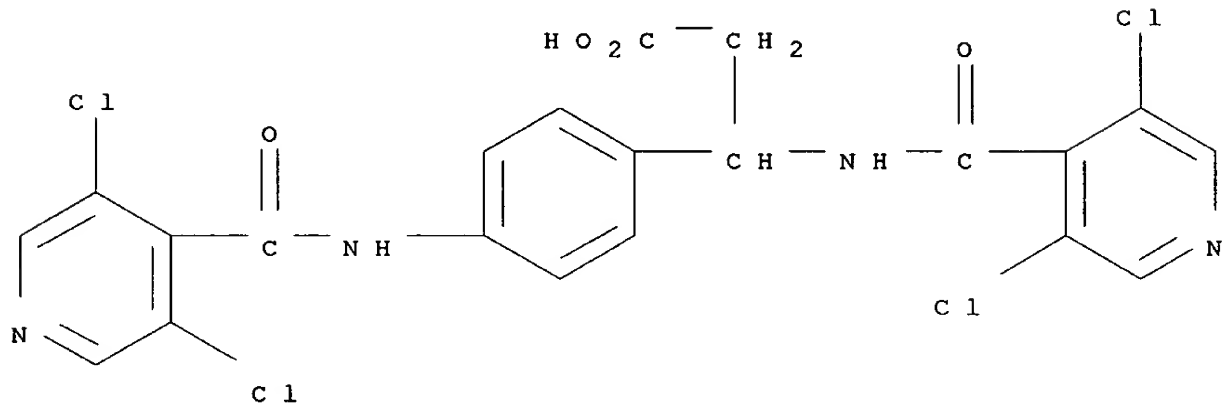
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PATENT NO. KIND DATE APPLICATION NO. DATE

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

L14 ANSWER 35 OF 38 REGISTRY COPYRIGHT 2000 ACS
RN 273919-72-5 REGISTRY
CN Benzenepropanoic acid, .beta.,4-bis[[(3,5-dichloro-4-
pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)
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SR CA
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.

DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH,

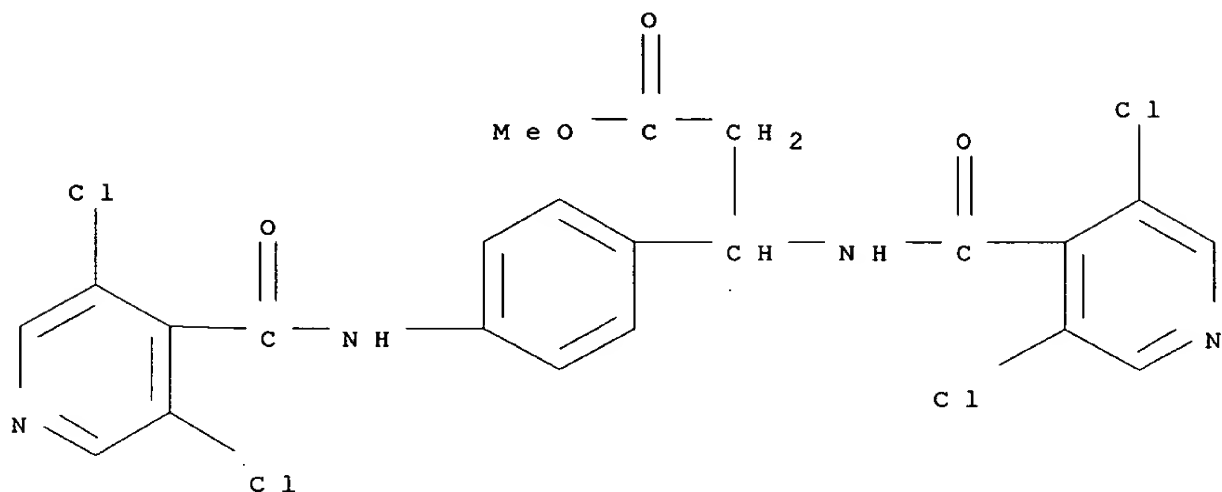
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PRIORITY: GB 1998-26174 19981130.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| PI WO 2000032575 | A1 | 20000608 | WO 1999-GB3986 | 19991129 |
| W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
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L14 ANSWER 36 OF 38 REGISTRY COPYRIGHT 2000 ACS
RN 273919-71-4 REGISTRY

CN Benzenepropanoic acid, .beta.,4-bis[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C22 H16 Cl4 N4 O4
 SR CA
 LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

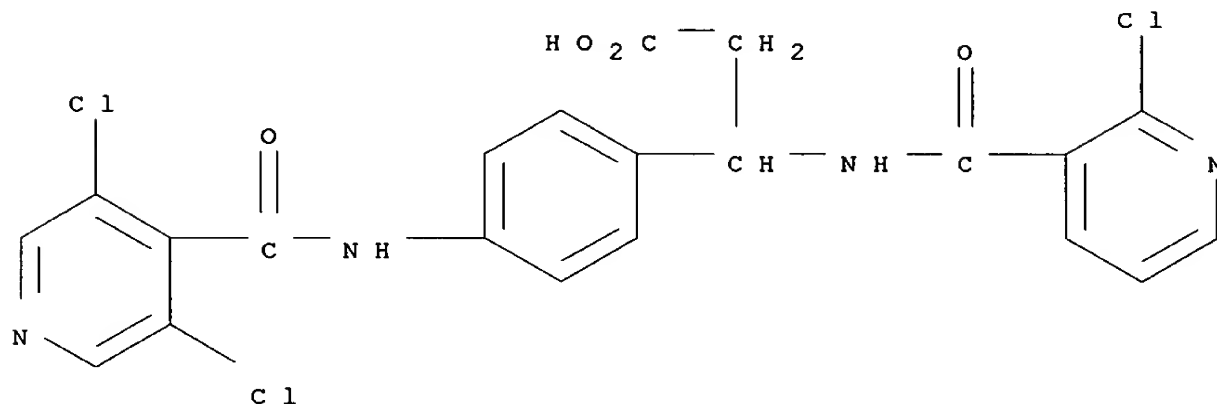
REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.
 DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA,

CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG.
 (English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129.
 PRIORITY: GB 1998-26174 19981130.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| PI WO 2000032575 | A1 | 20000608 | WO 1999-GB3986 | 19991129 |
| W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |

L14 ANSWER 37 OF 38 REGISTRY COPYRIGHT 2000 ACS
 RN 273919-70-3 REGISTRY
 CN Benzenepropanoic acid, .beta.-[[(2-chloro-3-pyridinyl)carbonyl]amino]-

4-[[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C21 H15 Cl3 N4 O4
 SR CA
 LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 133:30662 Preparation of N-heteroaroyl-.beta.-alanines as .alpha.4 integrin inhibitors. Porter, John Robert; Head, John Clifford; Warrellow, Graham John; Archibald, Sarah Catherine (Celltech Therapeutics Limited, UK). PCT Int. Appl. WO 2000032575 A1 20000608, 66 pp.
 DESIGNATED STATES: W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA,

CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG.
 (English). CODEN: PIXXD2. APPLICATION: WO 1999-GB3986 19991129.

PRIORITY: GB 1998-26174 19981130.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------|--|----------|-----------------|----------|
| PI WO 2000032575 | A1 | 20000608 | WO 1999-GB3986 | 19991129 |
| W: | AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| RW: | GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | |

L14 ANSWER 38 OF 38 REGISTRY COPYRIGHT 2000 ACS
 RN 273919-69-0 REGISTRY
 CN Benzenepropanoic acid, .beta.-[[[(2-chloro-3-pyridinyl)carbonyl]amino]-4-[[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, methyl ester (9CI)
 (CA INDEX NAME)
 FS 3D CONCORD
 MF C22 H17 Cl3 N4 O4

=> s 2802-52-0

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L6 1 L5

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L6 ANSWER 1 OF 1 CAOLD COPYRIGHT 2000 ACS
AN CA51:2748e CAOLD
TI chem. constitution and pharmacol. action in the imidazoline series
AU Novelli, Armando; Fernandez Long, P.
IT 1082-56-0 **2802-52-0** 3160-17-6 3160-18-7 17450-62-3
 17450-63-4 107774-01-6 109966-27-0 110028-88-1

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| | ENTRY | SESSION |
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L17 2 L16

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L17 ANSWER 1 OF 2 CAOLD COPYRIGHT 2000 ACS

AN CA53:2106b CAOLD

TI synthesis of .beta.-amino acids from aromatic hydroxy and alkoxy
aldehydes

AU Rodionov, V. M.; Dudinskaya, A. A.; Avramenko, V. G.; Suvorov, N. N.

IT 531-81-7 4475-29-0 5678-45-5 6049-54-3 6099-03-2 17449-03-5
68208-19-5 100397-72-6 **102594-51-4** 102872-33-3 116600-62-5
120023-66-7

L17 ANSWER 2 OF 2 CAOLD COPYRIGHT 2000 ACS

AN CA52:6260b CAOLD

TI synthesis of .beta.-diiodotyrosine

AU Rodionov, V. M.; Suvorov, N. N.; Avramenko, V. G.; Morozovskaya, L. M.

IT 830-09-1 3734-24-5 5678-45-5 6049-54-3 100884-59-1
102594-51-4 102872-34-4 102882-29-1 103855-74-9 109252-60-0

FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

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=> s 110375-70-7

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L2 ANSWER 1 OF 1 CAOLD COPYRIGHT 2000 ACS
AN CA55:6431c CAOLD
TI hormones of the thyroid gland and their analogs - (V) synthesis of .beta.-thyroxine
AU Suvorov, N. N.; Dudinskaya, A. A.
IT 100379-40-6 101096-70-2 102012-12-4 102460-89-9 103386-98-7 103646-74-8
106474-14-0 110375-70-7 124117-92-6

=> s 102012-12-4

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

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L4 ANSWER 1 OF 1 CAOLD COPYRIGHT 2000 ACS
AN CA55:6431c CAOLD
TI hormones of the thyroid gland and their analogs - (V) synthesis of .beta.-thyroxine
AU Suvorov, N. N.; Dudinskaya, A. A.
IT 100379-40-6 101096-70-2 102012-12-4 102460-89-9 103386-98-7
103646-74-8 106474-14-0 110375-70-7 124117-92-6